

BEFORE THE JHARKHAND STATE ELECTRICITY REGULATORY COMMISSION,
RANCHI

Case (Tariff) No 12 of 2024

In the matter of:

Tata Power Company Limited

... **Petitioner**

-Versus-

Tata Steel Limited

....**Respondent**

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The point-wise replies to the queries raised in the letter No. 'JSERC/Case (Tariff) No. 12 of 2024/460 dated 17th December 2024, with respect to the petition for True-up of FY 2023-24 along with Annual Performance Review of FY 2024-25 for Unit # 2 & 3 of Jojobera Power Plant by the Hon'ble Commission are presented below:

Query 1

1. The Petitioner is required to provide the duly certified copy by auditor certifying Operational Parameters of the generating stations:

Reply

2. Tata Power humbly submits that Statutory Auditor certifies only the financial data. For Operational data, the petitioner has relied upon following documents/certificates. Such practice/approach has been followed in the past as well and has been duly considered by this Hon'ble Commission.

(a) Plant Availability: For Plant Availability, Tata Power, has relied upon the Monthly PAF Certificates issued by Tata Steel LDC. The PAF certificates have been enclosed as ANNEXURE P3 in the Main Petition. The same is not re-annexed herewith for sake of brevity and, hence, ANNEXURE P3 of the main petition may kindly be referred to.

(b) Monthly Generation and Auxiliary Power: For this, we have relied upon the monthly Generation Report which is duly signed by the representatives of Tata Steel, a long-term beneficiary & Tata Power. The generation reports, covering the auxiliary power parameters, are enclosed hereto and marked as **ANNEXURE R1** for kind perusal of the Hon'ble Commission.

(c) Coal GCV: Tata Power has appointed a third party for sampling and GCV measurement of Coal. Sample copy of the certificate has already been annexed as ANNEXURE-P6 in the Petition. The same has not been re-annexed with this submission for the sake of brevity. Hence, ANNEXURE P6 of the main petition may kindly be referred to. Based on such GCV; Daily, Monthly and Annual weighted average GCV is worked out considering quantity of the coal as weight.

(d) LDO GCV: Tata Power has appointed a third party for sampling and GCV Measurement of LDO. Sample copy of the certificate has already been annexed as ANNEXURE-P9 in the Petition and the same may kindly be referred to.

(e) Transit Loss: It is humbly submitted that the Petitioner is not seeking any relaxation in Transit loss and is claiming Transit loss as per the norms specified in the GTR 2020, the Petitioner requests Hon'ble Commission to approve the same.

(f) SHR: As stated above, GCV of each coal intake/rake is measured by a Third party/agency who is deployed at site by Tata Power. Based on the certified GCV value of coal and LDO, actual coal and LDO consumption, and actual generation for each unit, Tata power computes SHR. A computation sheet for SHR calculation is attached as **ANNEXURE R2** herewith for the kind reference of the Hon'ble Commission, soft copy of which has been submitted in the excel model as sheet "Ops".

Query 2

3. As per the Annexure P2a of the petition, it is observed that the actual availability of Unit-2 for the month of January-2024 is 79.66% and Unit-3 for the month of December-2023 is 4.30%; which are less than the normative availability of 85% as per regulation 16.1 of the JSERC (Terms and Conditions for Generation Tariff) 1st Amendment Regulation 2023. The Petitioner is required to provide the justification for such lower availability.

Reply

4. The actual availability of Unit-3 for the month of Dec-2023 is 4.30% which is lower than the normative availability of 85%. In this regard, the Petitioner most humbly submits that Unit-3 was under planned shutdown during the month of December-23 (from 1st Dec to 30th Dec), as has been informed at para 23 of the main Petition. Communication with the beneficiary, TSL, regarding the Annual Shut Down has been annexed with the main petition as Annexure P24.
5. Further, the actual availability of Unit-2 for the month of January-2024 is 79.66% which is due to short shutdown of approx. 7 for boiler recertification job from 15th Jan-2024 to 22nd Jan-2024.

Query 3

6. As per table 5 and 6 of the Petition, it is observed that the ECL SFA coal was used for unit-2 and Unit-3 whereas this was not approved by the Commission in the APR Order. In this regard, the Petitioner is required to provide the reason for such changes/ differences in Fuel Mix Value.

Reply

7. The Petitioner humbly submits that while projecting the coal mix plan in the APR for FY 2024, the petitioner had informed the Hon'ble Commission at para 153 of the petition that the balance coal requirement over and above the supply from Shakti Coal and Tailing Coal had been estimated to be met preferably from e-Auction route which is reproduced below for ease of reference.

*153. It is submitted that for the purpose of arriving at the projected Fuel Mix for FY 2023-24, actual coal consumption upto month of October 2023 has been taken. Further, Coal Consumption for the balance months has been worked out considering the projected generation, normative operational performance level, considering available fuel supply from Shakti Coal and Tailing Coal as discussed. **The balance coal requirement over and above the supply from Shakti Coal and Tailing Coal has been estimated to be met preferably from E-Auction Route** and in case of exigencies/constraint it will be sourced from available sources. Above assumptions have been taken considering the past trends/irregular supply from subsidiaries of Coal India Limited.*

8. In this regard, it is submitted that ECL SFA coal is e-auction coal only. After filing the petition for true up of FY 2023 and APR for FY 2024 on 4.12.2023, the Petitioner, on 27.12.2023 received sales intimation letter for *ECL Single Window Mode Agnostic e-Auction (ECL SFA)*. The said letter was duly submitted by the Petitioner to the Hon'ble Commission vide affidavit dated 31.01.2024. The Petitioner started receiving the coal through ECL e-auction route from fourth quarter of FY 2024. This fact had been duly informed by the Petitioner to the Hon'ble Commission vide the quarterly report submitted for the respective quarter. The same has been enclosed as Annexure P4 of the main petition.
9. Accordingly, it is humbly submitted that the Petitioner has duly informed the Commission with respect to the variation in the approved fuel mix as discussed above. In view of the foregoing, the Hon'ble Commission is requested to approve the actual fuel mix for FY 2024 as submitted in the petition.

Query 4

10. It is also observed that in Unit-2 and Unit-3, landed price and GCV for the secondary Fuel Parameter for FY 2023-24 increases from Commission approved values as per MYT order. In this regard, the Petitioner is required to provide the justification for such deviation.

Reply

11. It is humbly submitted that landed price of LDO in the MYT Petition was proposed based on the Average Landed Price for the period Aug-20 to October-20 in terms of Generation Tariff Regulations, 2020. However, the actual Landed Price of LDO has been submitted now in the Petition for the purpose of True Up as per Regulation 17.8 and is allowable as pass through on actuals. The increase in price of LDO in FY 2024 compared to FY 2020 is basically due to market forces viz., increase in price internationally due to war, inflation etc. which is beyond the control of the Petitioner.
12. The same is also evident from the sample LDO Bills enclosed herewith for FY 2020-21 and FY 2023-24 and marked as **ANNEXURE R3** for kind reference of the Hon'ble Commission.
13. As regard the GCV for the secondary Fuel for FY 2023-24, the Petitioner wishes to submit that actual GCV for the secondary fuel has been considered in the instant petition, whereas the same approved by the Commission in MYT order was based on the weighted average calorific value for the period from August, 2020 to October, 2020. The Petitioner has furnished third party Certificate of GCV for LDO as Annexure P9 of the main Petition. The same may please be referred to.

Query 5

14. The petitioner should provide statutory audited details of month-wise opening stock, fuel procured during the month, transit loss, utilization, and balance for coal and oil at the end of each month for the Generating plant for FY 2023-24 along with sample bills for each fuel source for each month.

Reply

15. It is submitted that Audited Monthly stock balance report for Coal and LDO duly certified by Statutory Auditor as directed above are being attached with the instant submission as **ANNEXURE R4** for kind reference of the Hon'ble Commission along-with sample coal and oil bills as **ANNEXURE R4a**. It is submitted that enclosing all the coal/ oil receipts will be too voluminous and, hence, sample receipts for FY 2023-24 are enclosed herewith. However, in case, if Hon'ble Commission still requires all the receipts for the financial year, the same shall be provided accordingly.

Query 6

16. The petitioner should submit a copy of the monthly bill raised to the beneficiary for FY 2023-24.

Reply

17. The Audited billing summary for FY 2023-24 has been enclosed with the Petition as Annexure-P20. The monthly bills raised to beneficiary for FY 2022-23 are being enclosed herewith as **ANNEXURE R5**. It is being humbly submitted that since the bill documents including all annexures for all the months would be voluminous, the main bill including the unit-wise summary and break-up of the billing amount of each month is being submitted herewith. However, as a specimen, the bill for the month of April-23 is enclosed with all its annexures.

Query 7

18. It is observed that the Petitioner has revised the number of employee for FY 2023-24. In this regard, the Petitioner is required to submit the bifurcation of the employee expenses.

Reply

19. Tata Power humbly submits that in the MYT Petition, for the purpose of projection, growth factor of 1 was considered. However, considering the tighter norms to be met, stringent emission norms to be complied with and to rationalize already lean strength for improving reliability, additional manpower was required out of which 6 was sanctioned in 2020-21, 8 has been added in 2021-22 and 2 in FY 2022-23 for Units 1-4 of the Jojobera Power Plant. The Hon'ble Commission, vide its earlier true up orders for the respective years, have allowed the additions considering the reasoning cited by the Petitioner. This information has been tabulated in the table below:

Particulars	Submitted for FY 21 and thereafter	Sanctioned Strength (submitted)	Actual as on 31.03.21	Actual as on 31.03.22	Actual as on 31.03.23	Actual as on 31.03.24
Management Cadre	136	136	142	150	153	153
Non- Management Cadre	43	43	43	43	42	42
Total	179	179	185	193	195	195
Increase			6	8	2	0

20. It is being humbly submitted that for the FY 2023-24, there has been no addition to the manpower. This is in line with the projected addition to manpower for FY 2023-24 submitted by the Petitioner in the Petition for APR for FY 2023-24 which was also considered by the Hon'ble Commission vide Order dated 06.06.2024. The Petitioner has already submitted this information in the main petition at para no. 92.
21. The unit wise employee expenses are being furnished as below:

Particulars	Employee Expenses (Amount Rs)
Unit#2	11,08,00,801.31
Unit#3	11,06,12,658.25
Total	203120184.46

Query 8

22. The Petitioner is required to submit the heads of O&M and miscellaneous expenses reconciling with an audited account of TPCL.

Reply

23. As directed, the heads of O&M Expenses reconciled with audited Accounts is provided in **ANNEXURE R6** of the instant submission for kind reference of the Hon'ble Commission.

Query 9

24. It is observed that the Petitioner has claimed the combined operational savings for Unit 2 and Unit 3. In this regard, the Petitioner is required to provide proper justification.

Reply

25. The Petitioner most humbly submits that the Hon'ble Commission, vide order dated 20.12.2024 in respect of review of the true up order of FY 2021-22, has held it appropriate to consolidate Unit 2 and Unit 3 of the Petitioner's generating station for the purpose of computing financial gains on O&M expenses. The relevant paragraphs of the Order are reproduced as below:

26. After a careful analysis of the applicable regulations and the facts presented, it is observed that the Petitioner's practice of conducting unit overhauls on a bi-annual basis yields savings in Repair and Maintenance

(R&M) expenses for one unit each year. This approach reflects prudent maintenance standards and results in cost savings for end consumers. Accordingly, the Commission finds merit in the Petitioner's submission.

27. Therefore, the Commission is of the view that nothing within the Regulations prevents the Petitioner from requesting a consolidation of O&M expenses for both units when calculating financial gains. This approach would safeguard the interests of both the generating station and the beneficiaries. Accordingly, under the current framework, the Commission considers it appropriate to consolidate Unit 2 and Unit 3 of the Petitioner's generating station for the purpose of computing financial gains on O&M expenses as computed hereunder.

26. The petitioner most humbly submits that in line with the view in the Review Order quoted above, the Hon'ble Commission may kindly consider the O&M expenses for both the Units combined together in the instant petition.

Query 10

27. The Petitioner in Profit and Loss statement of audit accounts has claimed amount under miscellaneous expenses and other operational expenses for both units. In this regard, the petitioner is required to provide the break-up of the same claimed.

Reply

28. As directed, the break-up of the miscellaneous expenses and other operational expenses for both units is being provided as below:

Miscellaneous Expenses (amount in Rs)

Particulars	Unit 2	Unit 3
Auditors' Remunerations for Other Services	3,06,800.24	3,06,800.24
Provision for Doubtful Debts/Advances	7,000.00	7,000.00
Legal Charges	1,49,133.00	1,49,133.00
Computer Operation Expenses	2,979.50	2,979.50
Tata Brand Equity Fees	1,08,06,284.44	1,03,89,143.37
Miscellaneous Expenses	3,37,051.18	4,24,318.97
Publicity Expenses	918.75	918.75
Consultant Fees-Audit Firms	53,100.00	53,100.00
Subscriptions	2,524.50	2,524.50
Total	1,16,65,791.61	1,13,35,918.33

Other Operational Expenses (amount in Rs)

Particulars	Unit-2	Unit-3
Advertisement Charges	9,66,567.56	9,66,567.56
Books & Periodicals	407.50	407.50
Business Development Expenditure	1,138.00	1,138.00
Canteen Expenses -Guests	1,20,750.00	1,20,750.00
Electricity Consumed Light & Fan Charges	-2,25,928.25	-2,25,928.25
Entertainment	62,929.56	62,929.56
Software Expenses	33,61,666.64	32,25,612.64
Food & Conveyance-Others	1,441.53	1,441.53
Furniture/Loose Tools (Below Rs.5,000)	-7,645.43	-7,645.43
Gifts	26,597.97	26,597.97
Guest House Expenses Incurred	13,52,295.16	13,80,145.16
Hotel Expenses	11,63,384.96	11,63,384.96
Other Operating Expenses	36,86,089.03	-79,52,240.97
Office Telephone Expenses	4,52,580.09	4,52,580.09
Other	24,780.00	24,780.00
Other Fees	1,16,561.00	1,16,561.00
Printing & Stationery	4,72,469.74	4,72,469.74
Rounding Of Difference	-3.84	-4.03
Fees For Conferences	885.00	885.00
Training Expenses	8,18,165.77	8,49,435.77
Telephone Expenses-Reimb To Employees	57,194.54	57,194.54
ERP Expenses (SAP)	30,40,480.75	30,40,480.75
Consultant's Fees-Local-Other than Audit Firms	97,356.84	79,656.84
Total	1,55,90,164.13	38,57,199.94

Data Gap on Annual Performance Review for FY 2024-25.**Query 1**

29. The Petitioner is required to submit details of the Contract Agreement with all the coal suppliers from whom the coal is purchased during FY 2024-25.

Reply

30. It is humbly submitted that the Petitioner has already submitted the Fuel Supply Agreements between Petitioner & Coal India Limited (CIL) to the Hon'ble Commission vide additional submission dated 11.01.2023 in case (Tariff) no. 18 of 2022 at Annexure 17. The same have not been annexed herewith, since, the documents are quite voluminous.
31. Further, the Petitioner, vide affidavit dated 31.01.2024 in Petition for truing up of FY 2023 and APR of FY 2024, has also submitted the allocation letters issued by ECL and CCL in terms of the e-auction for FY 2023-24. The same are being reannexed herewith along with Sales Agreement between Tata Steel Limited & Tata Power for supply of Middling Coal as **ANNEXURE R7** for kind reference of the Hon'ble Commission.

Query 2

32. The Petitioner is directed to submit the receipts of Coal from all its sources.

Reply

33. It is submitted that enclosing all the coal receipts will be too voluminous and, hence, sample receipts for FY 2024-25 are enclosed herewith and marked as **ANNEXURE R8** for kind reference of the Hon'ble Commission. However, in case, if Hon'ble Commission still requires all the coal receipts for the FY, the same shall be provided accordingly.

Query 3

34. The Petitioner should submit the Availability Certificate of the Generating Plant as certified by the Appropriate Authority (example- SLDC).

Reply

35. It is humbly submitted that under the approved PPA, Tata Steel Load Dispatch Centre (TSLDC) which shall mean the Power Management Centre of the Tata Steel Limited is authorized to Monitor and Certify Plant Availability Factor (PAF) of the

Generating Units of Jojobera Power Plant of Tata Power. PAF certified by TSLDC has also been considered by this Hon'ble Commission for previous years for approving the PAF of Unit 2 and Unit 3 and, hence, it is hereby requested to consider the same and approve the PAF of Unit 2 and Unit 3 in the instant petition as certified by TSLDC. PAF Certificates issued by TSLDC for FY 2025 till September-24 are attached herewith and marked as **ANNEXURE R9** for kind reference of the Hon'ble Commission.

Query 4

36. It is observed that the Petitioner has claimed water charges, capital spares etc in O&M head which is against clause 15.46 of the JSERC (Terms and Conditions for Determination of Generation Tariff) Regulation 2020. In this regard, the Petitioner is required to provide the necessary justification.

Reply

37. It is being humbly submitted that the water charges, capital spares, etc are being depicted under the O&M head, since these items are consumable in nature, though these expenses are separately allowed on actual basis as per clause 15.46 of the JSERC (Terms and Conditions for Generation Tariff) 1st Amendment Regulation 2023. In this regard, it may further be mentioned here that the Petitioner has claimed the expenses segregating into two sub-heads, one for the normative expenses and other for the expenses allowable at actuals. Petitioner, accordingly requests the Hon'ble Commission to consider the claim of the Petitioner towards water charges and capital spares in terms of the clause 15.46 of the JSERC (Terms and Conditions for Generation Tariff) 1st Amendment Regulation 2023.
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ANNEXURES

Rec No. JPP/Reports/ 98 /2023
Dated. 30/05/2023

Head (Accounts)

Generation Details for the Month of April'23

1. GENERATION (MWH)		UNIT	ACTUAL	PLAN						
1a. Generation from Unit#1 (67.5 MW)		MWH	44266.50	35943.75						
1b. Generation from Unit#2 - Regulated Capacity (120 MW)		MWH	80750.59	85060.80						
1c. Generation from Unit#3 - Regulated Capacity (120 MW)		MWH	84895.74	85060.80						
1d. Generation from Unit#4 (120 MW)		MWH	85383.55	81396.00						
1e. Total Generation from Station (427.5 MW)		MWH	295296.38	287461.35						
2. RUNNING HOURS (HRS)			ACTUAL	PLAN						
2a. Running hours of Unit#1 (67.5 MW)		HOURS	720.0	710.0						
2b. Running hours of Unit#2 (120 MW)		HOURS	720.0	716.0						
2c. Running hours of Unit#3 (120 MW)		HOURS	720.0	716.0						
2d. Running hours of Unit#4 (120 MW)		HOURS	720.0	714.0						
3. GENERATION AVAILABILITY (%)		* Average Declared Capacity (MW)	Generation Availability (%)							
3a. Generation Availability of Unit#2 (%)		108.71		99.56%						
3b. Generation Availability of Unit#3 (%)		108.99		99.80%						
(Availability figures are for full month of 30 days)										
4. EXPORT METER READINGS (MWH)										
4a. Power Export through 132 KV Feeders		MWH		322783						
4b. Power Export through 33 KV Feeders		MWH		21925						
4c. Total Export		MWH		344708.47						
(Export meter readings are as per PML Meters)										
5. IMPORT METER READINGS (MWH)										
5a. Power Import		MWH		2099.25						
6. AUXILIARY POWER CONSUMPTION & TRANSFORMER LOSSES (MWH)										
6a. Unit#1 Aux Power Consumption		MWH		4388.6						
6b. Unit#2 Aux Power Consumption		MWH		6277.5						
6c. Unit#3 Aux Power Consumption		MWH		6784.8						
6d. Unit#4 Aux Power Consumption		MWH		7340.7						
6e. Total Aux Power Consumption		MWH	24791.58	8.40						
(System Losses are included in units auxiliary power consumption)										
7. Ex-Bus Generation (MWH)										
7a. Ex-Bus Generation from Unit#2 - Regulated Capacity (120 MW)*		MWH		74473.10						
7b. Ex-Bus Generation from Unit#3 - Regulated Capacity(120 MW)*		MWH		78110.94						
8.a CDAL RECEIPT, CONSUMPTION & STOCK (MT)		Unit	Opening Stock #	Receipt	Consumption				Closing Stock	
					Unit#1	Unit#2	Unit#3	Unit #4	Total	
Middling Coal (2&3)	MT	29779.43	30270.42		0.00	23442.00	29397.00	0.00	52839.00	7210.85
MCL Coal (1&4) T4	MT	3886.69	4133.15	6006.84	0.00	0.00	0.00	2013.00	8019.84	0.00
Tailing (By Rake)(1&3)	MT	4541.17				60.00	0.00		60.00	4481.17
Vinayak(VYSS)	MT	21533.87			0.00	0.00	0.00	21533.87	21533.87	0.00
CCL(1&4) T4	MT	5144.35	11555.80	9038.16	0.00	0.00	0.00	7233.35	16271.51	428.64
ECL Shakti(2&3)	MT	0.00	7796.06		0.00	0.00	0.00	0.00	0.00	7796.06
ECL(1&4) T4	MT	35101.51		14525.00	0.00	0.00	0.00	11225.00	25750.00	9351.51
ECL(2&3) SFA	MT	0.00							0.00	0.00
NCL (1&4) T4	MT	7145.07	7749.67	684.00	0.00	0.00	0.00	11487.13	12171.13	2723.61
WB REJECT (2&3)	MT	2683.97				40.00	0.00		40.00	2643.97
MCL Shakti(2&3)	MT	19810.51	14223.81		0.00	8605.00	8929.00	0.00	17534.00	16500.32
CCL Shakti(2&3) Round 2	MT	0.00	7588.10		0.00	3792.10	3796.00	0.00	7588.10	0.00
CCL Shakti(2&3) Round 3	MT	6548.91	11485.35		0.00	4298.90	4899.00	0.00	9197.90	8836.36
CCL Shakti(2&3) W-IV	MT	33985.30	55098.25		0.00	12579.00	8357.00	0.00	20936.00	68147.55
CCL(2&3) SFA	MT	0.00	3881.89		0.00	0.00	0.00	0.00	0.00	3881.89
Total Coal	MT	170160.78	153782.50	30254.00	52817.00	55378.00	53492.35	191941.35	132001.93	
8.b LDO RECEIPT, CONSUMPTION & STOCK (KL)		Unit	Opening Stock	Receipt	Consumption				Closing Stock	
					Unit#1	Unit#2	Unit#3	Unit #4	Total	
LDO	KL	686.77	150.00		5.50	2.00	2.00	2.00	11.50	825.27
9. RAW WATER CONSUMPTION (M ³)										
9a. Unit#1 Raw Water Consumption					M ³				104541	
9b. Unit#2 Raw Water Consumption					M ³				190703	
9c. Unit#3 Raw Water Consumption					M ³				200493	
9d. Unit#4 Raw Water Consumption					M ³				201645	
9f. Total Raw Water Consumption					M³				697382	
10. FLY ASH UTILISATION (MT) including TEL unit 5										
Nuvoco	MT	44153	Bricks	MT	0	Wet Disposal	MT		7602	
Dalimla+ Sri Cement	MT	20564	RMC	MT	5407	FA Generated	MT		77726	
Ash Baggong	MT	0	DFA Utilized	MT	70124	Fly Ash Utilized	MT		77726	
Pond Ash Generated	MT	27034	Pond Ash Utilized	MT	9026	Fly Ash Utilization	%		100%	
					Pond 1	Pond 2				
Total capacity	MT				500364	373059				
Total ash in pond in last month	MT				191424	210701				
Total Ash Sent to Jemco Pond	MT				0	27034				
Cleaned during this month (dry & slag free)	MT				9026	0				
Ash Shifting to Low Lying area (With wet & moisture)	MT									
Ash Shifting to ISWP Site (With wet & moisture)	MT				11067					
Total Cleaned during this month (With wet & moisture)	MT				11067	0				
Total ash in pond after cleaning	MT				182399	237735				
% of ash in pond	%				36%	64%				
Considering full load & total ash sent to pond at the rate of 3470 MT/Day.										

Note: The plan figures of generation and running hours are as per ABP figures.
Ex-Bus Generation of Regulated capacity of Units 2 & 3 has been considered with Actual Aux Power.
LDO Opening Stock indicates Tata Power Stock only.
Fly Ash Utilization data is inclusive of Unit 5.

Abhishek Bose
(Group Head -MIS, Perf & Efficiency)

Basudev Hansden
(Chief O&M)

Jagmit Singh Sidhu
(CEO - IEL & Chief -Jamshedpur Operations)

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT
Report Generated on :

FROM: 01-Apr-23 12:00:00 AM
01-May-23 10:00:00 AM

TO: 30-Apr-23 12:00:00 AM

Sheet 1 of 2

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	3154983168	57	3199221504	57	44238336	0
PML- GEN # 2 (Check)	6372439040	65	6453584384	65	81145344	0
PML- GEN # 3 (CHECK)	7346061824	167	7431099904	167	85038080	0
PML- GEN # 4 (CHECK)	14283002880	451	14368109568	451	85106688	0
PML- GEN # 5	10286561280	235	10368208896	237	81647616	2
Total Generation (PML)					377176064	
PML- GEN # 1 (G1B)	9590933504	373	9635200000	373	44266496	0
PML- GEN # 2 (G2B)	16170365952	497	16251116544	497	80750592	0
PML- GEN # 3 (G3B)	16482233344	564	16567129088	564	84895744	0
PML GEN # 4 (G4B)	685263360	59	770646912	59	85383552	0
PML GEN # 5 (G5B)	10279384064	1554	10360927232	1556	81543168	2
Total Generation (Alpha)					376839552	
EXPORT						
PML- LINE # 1	10025111552	215528	10068069376	215528	42957824	0
PML- LINE # 2	1308708908	1267	1335846699	1268	42789450	1
PML- LINE # 3	9307596800	107158	9348748288	107158	41151488	0
PML- LINE # 4	4266770432	50325	4308043776	50325	41273344	0
PML- LINE # 5	5676065280	11297296	5729490944	11297312	53425664	16
PML- LINE # 6	2181830656	785	2201695744	785	19865088	0
PML- LINE # 7	1453494912	130523064	1476694400	130523064	23199488	0
PML- LINE # 8	1357393664	46950812	1378614912	49050048	21221248	2099236
PML- LINE # 9	3682381568	44	3719281152	44	36899584	0
Total 132 KV export					322783178	2099253
PML- 33 kv ST1	3002004992	2823	3010631424	2824	8626432	1
PML- 33 kv ST2	2356315648	9121	2364653056	9122	8337408	1
PML- 33 kv ST3	297928496	140294	302889951	148520	4961455	8226
Total 33 KV export					21925295	8228
PML- 132 kv ST1	3193377536	683214	3202881280	683214	9503744	0
PML- 132 kv ST2	2480879872	1350151	2490383360	1350151	9503488	0
PML- 132 kv ST3	2192985088	2092668	2199051008	2095184	6065920	0
ST 132 KV total					25073152	0
PML- 6.6 kv C1 (T1C)	46554767	866	47581206	866	1026439	0
PML- 6.6 kv C2 (T2C)	91583422	93946	92908125	93946	1324703	0
PML- 6.6 kv C5 (T3C)	70529780	186	71880438	186	1350658	0
Total 6.6 KV station load					3701800	0
PML- 132 kv GT1 (G1A)	8461837824	8520	8501551616	8520	39713792	0
PML- 132 kv GT2 (G2A)	2135944107	41	2211327971	41	75383864	0
PML- 132 kv GT3 (G3A)	15102585856	2971	15181566952	2971	78980096	0
PML- 132 kv GT4 (G4A)	11001468928	18382	11079853056	18382	78384128	0
PML- 132 kv ICT1 (G5A)	7634526208	1267	7709919744	1277	75393536	10
Total GT export at 132 KV					347855416	10
PML - 6.6 KV C1 to U1A (TIE-U1) T1	4093449	37	4093449	37	0	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50506262	383338	50506262	383338	0	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	1047845	3415811	1047845	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	739789	9132807	739789	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3)T5	1109439	6167915	1109439	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	845228	1682341	845228	1682341	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	36944610	19099361	37139206	19099361	194596	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	45163399	15292082	45851613	15292082	688214	0
PML - 6.6 KV C1to C8 (TIE U5) T9	520713	227	677080	227	156367	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	42690658	1045	43258472	1045	567814	0
PML - 6.6 KV C6 to U4A (TIE U3)T5	4359843	35	4353843	36	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4493566	75	4493566	75	0	0
PML - 6.6 KV U1A (Unit I/C U1)	61230005	26	63154154	26	1924149	0
PML - 6.6 KV U1B (Unit I/C U1)	84991678	115	87153996	115	2162318	0
PML - 6.6 KV U2A (Unit I/C U2)	15456000	46	18397510	46	2941510	0
PML - 6.6 KV U2B (Unit I/C U2)	30554512	112	32668554	112	2114042	0
PML - 6.6 KV U3A (Unit I/C U3)	76428371	28	79457447	28	3029076	0
PML - 6.6 KV U3B (Unit I/C U3)	60827984	0	63226516	0	2398532	0
PML - 6.6 KV U4A (Unit I/C U4)	31716561	55	34988215	55	3271654	0
PML - 6.6 KV U4B (Unit I/C U4)	445409	0	3383312	0	2937903	0
PML - 6.6 KV U5A (Unit I/C U5)	4566264	0	7347808	0	2781544	0
PML - 6.6 KV U5B (Unit I/C U5)	1585784	0	4593843	0	3008059	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2966.33	0	2966.55	0	1220	0
Total consumption by unit bus from Station					724181	0
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-1220	
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1700105		1714653		14548000	
Cummins feeder at Cummins end	85364		87449		2085000	
Lafarge feeder at Lafarge end	280069.9519		285352.6131		5282661	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1739258	1755869	19933200	MF 1200000		
Lin # 9 SECURE METER Reading	3804.47	3841.369584	36899584	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	27605504	38.34	Generator # 4 reactive	42505728	59.04	
Generator # 2 reactive	26595840	36.94	Generator # 5 reactive	39129600	54.35	
Generator # 3 reactive	35357184	49.11				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	21387752	5	21558797	5	171045	0
Air Comp 1B (U1B Bus)	19987821	3	20227280	3	239459	0
Air Comp 2A (U2A Bus)	14954380	78921552	15043674	78921552	89294	0
Air Comp 2B (C3 Bus)	9521180	19276814	9797047	19276814	275867	0
Air Comp 2C (U3A Bus)	84855080	329	85037316	329	182236	0
Air Comp 4A (U 4A Bus)	26314771	0	26549270	0	234499	0
Air Comp 4B (U 4B Bus)	42376596	0	42579059	3	202463	3
Air Comp 5B (U5B Bus)	55133699	3727	55179459	3727	45760	0
			Total Comp Load		1440623	
CLPH unit # 1 Readings						
CLPH INC 1	15861.06	10	16017.68	10	156628	0
CLPH INC 2	11327.94	16	11424.41	16	96469	0
CT FAN BUS A SIDE	6493.70	16294	6569.10	16294	75397	0
CT FAN BUS B SIDE	6439.12	64	6515.67	64	76546	0
	Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)				101154	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-Apr-23 12:00:00 AM TO: 30-Apr-23 12:00:00 AM
Report Generated on: 01-May-23 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3703020	Total station to unit tie load	724181	3401050	< allocated load	
Total Compressor load on units	1164756	Total common load on CLPH bus for allocation		101154		
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	44266496	80750592	84895744	85383552	81543168	376839552
Unit Load	4352066	5366728	5915648	6720197	6149632	28504271
Compressor Load allocation	136821	249588	262400	263908	252038	1164756
CLPH load allocation	11882	21676	22788	22919	21888	101154
Corrected Unit Load	3989112	5548698	6018601	6570062	6377798	28504271
% Unit Consumption	9.01	6.87	7.09	7.72	7.82	7.56%
Allocated Station Load	399514	728790	766201	770603	735943	3401050
Station to unit consumption	0	0	0	0	301970	301970
Total station load for each unit	399514	728790	766201	770603	1037913	3703020
% station load	0.90%	0.90%	0.90%	0.90%	1.27%	0.98%
Total Aux. consumed by unit	4388625	6277488	6784801	7340666	7415711	32207291
% of Aux. Consumption	9.91%	7.77%	7.99%	8.60%	9.09%	8.55%
Deemed PLF	100.00%	100.00%	100.00%	100.00%	95.09%	
PL F %	91.08%	93.46%	98.26%	98.82%	94.38%	95.60%

Tisco Representative

TPCL Representative

Name: Mr. C N S Gautam

Name: Mr.Chandrasekhar Singh,Biswajit Mohanty,Prasant Dehury

Signature

Signature

Date & Time

01-May-23 10:00:00 AM

Date & Time

01-May-23 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1,2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load , for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1,C2,C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

Head (Accounts)

Generation Details for the Month of May'23

1. GENERATION (MWH)		UNIT	ACTUAL	PLAN					
1a. Generation from Unit#1 (67.5 MW)		MWH	44201.98	37361.25					
1b. Generation from Unit#2 - Regulated Capacity (120 MW)		MWH	79371.26	87436.80					
1c. Generation from Unit#3 - Regulated Capacity (120 MW)		MWH	80609.28	87199.20					
1d. Generation from Unit#4 (120 MW)		MWH	84160.96	83916.00					
1e. Total Generation from Station (427.5 MW)		MWH	288343.49	295913.25					
2. RUNNING HOURS (HRS)		UNIT	ACTUAL	PLAN					
2a. Running hours of Unit#1 (67.5 MW)		HOURS	744.0	738.0					
2b. Running hours of Unit#2 (120 MW)		HOURS	744.0	736.0					
2c. Running hours of Unit#3 (120 MW)		HOURS	743.0	734.0					
2d. Running hours of Unit#4 (120 MW)		HOURS	740.6	740.0					
3. GENERATION AVAILABILITY (%)		* Average Declared Capacity (MW)	Generation Availability (%)						
3a. Generation Availability of Unit#2 (%)		108.87		99.69%					
3b. Generation Availability of Unit#3 (%)		107.73		98.66%					
(Availability figures are for full month of 31 days)									
4. EXPORT METER READINGS (MWH)									
4a. Power Export through 132 KV Feeders		MWH		315746					
4b. Power Export through 33 KV Feeders		MWH		26385					
4c. Total Export		MWH		342130.86					
(Export meter readings are as per PML Meters)									
5. IMPORT METER READINGS (MWH)									
5a. Power Import		MWH		6.95					
6. AUX POWER CONSUMPTION & TRANSFORMER LOSSES (MWH)									
6a. Unit#1 Aux Power Consumption		MWH		4513.3					
6b. Unit#2 Aux Power Consumption		MWH		6450.6					
6c. Unit#3 Aux Power Consumption		MWH		6830.2					
6d. Unit#4 Aux Power Consumption		MWH		7486.6					
6e. Total Aux Power Consumption		MWH	25280.70	% 8.77					
(System Losses are included in units auxiliary power consumption)									
7. Ex-Bus Generation (MWH)									
7a. Ex-Bus Generation from Unit#2 - Regulated Capacity (120 MW)*		MWH		72920.68					
7b. Ex-Bus Generation from Unit#3 - Regulated Capacity (120 MW)*		MWH		73779.09					
8.a COAL RECEIPT, CONSUMPTION & STOCK (MT)									
Item	Unit	Opening Stock *	Receipt	Consumption					Closing Stock
				Unit#1	Unit#2	Unit#3	Unit #4	Total	
Middling Coal (2&3)	MT	7210.85		0.00	0.00	7210.85	0.00	7210.85	0.00
Middling Coal (1 to 4)	MT	0.00	49344.14	5657.27	0.00	0.00	26375.75	32033.02	17311.12
MCL Coal (1&4) T4	MT	0.00	8323.35	1322.00	0.00	0.00	667.00	1989.00	6334.35
Tailing (By Rake)(1&3)	MT	4481.17	129.21		0.00	0.00		0.00	4610.38
CCL(1&4) T4	MT	428.64	23303.24	10202.37	0.00	0.00	12045.25	22247.62	1484.26
ECL Shakti(2&3)	MT	7796.06		0.00	0.00	0.00	0.00	0.00	7796.06
ECL(1&4) T4	MT	9351.51	27644.80	11443.51	0.00	0.00	9519.00	20962.51	16033.80
NCL (1&4) T4	MT	2723.61	3871.10	1032.36	0.00	0.00	2743.25	3775.61	2819.10
WB REJECT (2&3)	MT	2643.97			0.00	0.00		0.00	2643.97
MCL Shakti(2&3)	MT	16500.32	7100.11	0.00	3231.00	3030.00	0.00	6261.00	17339.43
CCL Shakti(2&3) Round 2	MT	0.00	31577.70	0.00	12567.75	8479.15	0.00	21046.90	10530.80
CCL Shakti(2&3) Round 3	MT	8836.36		0.00	4289.00	4547.36	0.00	8836.36	0.00
CCL Shakti(2&3) W-IV	MT	68147.55	16043.72	0.00	30501.00	28726.00	0.00	59227.00	24964.27
CCL(2&3) SFA	MT	3881.89		0.00	2419.25	1462.64	0.00	3881.89	0.00
Total Coal	MT	132001.93	167337.37	29657.51	53008.00	53456.00	51350.25	187471.76	111867.54
8.b LDO RECEIPT, CONSUMPTION & STOCK (KL)									
Item	Unit	Opening Stock	Receipt	Consumption					Closing Stock
				Unit#1	Unit#2	Unit#3	Unit #4	Total	
LDO	KL	825.27	0.00	2.00	1.00	11.50	31.86	46.36	778.91
9. RAW WATER CONSUMPTION (M ³)									
9a. Unit#1 Raw Water Consumption									104761
9b. Unit#2 Raw Water Consumption									188120
9c. Unit#3 Raw Water Consumption									191059
9d. Unit#4 Raw Water Consumption									199473
9f. Total Raw Water Consumption									683414
10. FLY ASH UTILISATION (MT) including IEL unit 5									
Nuvoco	MT	44963	Bricks	MT	0	Wet Disposal	MT	10568	
Dalmia+ Sri Cement	MT	19565	RMC	MT	5258	FA Generated	MT	80353	
Ash Bagging	MT	0	DFA Utilized	MT	69786	Fly Ash Utilized	MT	80353	
Pond Ash Generated	MT	30656	Pond Ash Utilized	MT	1825	Fly Ash Utilization	%	100%	
			Pond 1	Pond 2					
Total capacity	MT		500364	373059					
Total ash in pond in last month	MT		182399	237735					
Total Ash Sent to Jemco Pond	MT		0	30656					
Cleaned during this month (dry & slag free)	MT		1825	0					
Ash Shifting to Low Lying area (With wet & moisture)	MT								
Ash Shifting to ISWP Site (With wet & moisture)	MT		2237						
Total Cleaned during this month (With wet & moisture)	MT		2237	0					
Total ash in pond after cleaning	MT		180574	268391					
% of ash in pond	%		36%	72%				Considering full load & total ash sent to pond at the rate of 3470 MT/Day.	

Note: The plan figures of generation and running hours are as per ABP figures.
Ex- Bus Generation of Regulated capacity of Units 2 & 3 has been considered with Actual Aux Power.
LDO Opening Stock indicates Tata Power Stock only.
Fly Ash Utilization data is inclusive of Unit 5.

Abhishek Bose
(Group Head -MIS, Perf & Efficiency)

Basudev Hansdah
(Chief O&M)

Jagmit Singh Sidhu
(CEO - IEL & Chief -Jamshedpur Operations)

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 1 of 2

MONTHLY GENERATION REPORT
Report Generated on :

FROM: 01-May-23 12:00:00 AM
01-Jun-23 10:00:00 AM

TO: 31-May-23 12:00:00 AM

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	3199221504	57	3243396096	57	44174592	0
PML- GEN # 2 (Check)	6453584384	65	6533330432	65	79746048	0
PML- GEN # 3 (CHECK)	7431099904	167	7511843328	169	80743424	2
PML- GEN # 4 (CHECK)	14368109568	451	14452037632	455	83928064	4
PML- GEN # 5	368208896	237	10457092096	237	88883200	0
Total Generation (PML)					377475328	
PML- GEN # 1 (G1B)	9635200000	373	9679401984	373	44201984	0
PML- GEN # 2 (G2B)	16251116544	497	16330487808	497	79371264	0
PML- GEN # 3 (G3B)	16567129088	564	16647738368	566	80609280	2
PML GEN # 4 (G4B)	770646912	59	854807872	62	84160960	3
PML GEN # 5 (G5B)	10360927232	1556	10449692672	1556	88765440	0
Total Generation (Alpha)					377108928	
EXPORT						
PML- LINE # 1	10068069376	215528	10113678336	215528	45608960	0
PML- LINE # 2	1315657943	1268	1361171264	1268	45513321	0
PML- LINE # 3	9348748288	107158	9392497664	107158	43749376	0
PML- LINE # 4	4308043776	50325	4350432256	57270	42388480	6945
PML- LINE # 5	5729490944	11297312	5773315584	11297313	43824640	1
PML- LINE # 6	2201695744	785	2224451584	785	22755840	0
PML- LINE # 7	1476694400	130523064	1493715072	130523064	17020672	0
PML- LINE # 8	1378614912	49050048	1395951232	49050048	17336320	0
PML- LINE # 9	3719281152	44	3756829696	44	37548544	0
Total 132 KV export					315746153	6946
PML- 33 kV ST1	3010631424	2824	3021340928	2824	10709504	0
PML- 33 kV ST2	2364653056	9122	2374958080	9122	10305024	0
PML- 33 kV ST3	302889951	148520	308260127	153503	5370176	4983
Total 33 KV export					26384704	4983
PML- 132 kV ST1	3202881280	683214	3214799104	683214	11917824	0
PML- 132 kV ST2	2490383360	1350151	2502012416	1350151	11629056	0
PML- 132 kV ST3	2199051008	2095184	2205094144	2099638	6043136	0
ST 132 KV total					29590016	0
PML- 6.6 kV C1 (T1C)	47581206	866	48939797	866	1358591	0
PML- 6.6 kV C2 (T2C)	92908125	93946	94387256	93946	1479131	0
PML- 6.6 kV C5 (T3C)	71880438	186	72724710	186	844272	0
Total 6.6 KV station load					3681994	0
PML- 132 kV GT1 (G1A)	8501551616	8520	8541154816	8520	39603200	0
PML- 132 kV GT2 (G2A)	2211327971	41	2285061869	41	73733898	0
PML- 132 kV GT3 (G3A)	15181565952	2971	15256167424	2986	74601472	15
PML- 132 kV GT4 (G4A)	11079853056	18382	11156882432	18401	77029376	19
PML- 132 kV ICT1 (G5A)	7709919744	1277	7791782912	1277	81863168	0
Total GT export at 132 KV					346831114	34
PML - 6.6 KV C1 to U1A (TIE-U1) T1	4093449	37	4093449	37	0	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50506262	383338	50506262	383338	0	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	1047845	3415811	1047845	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	739789	9132807	739789	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3)T5	1109439	6167915	1112478	6167915	3039	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	845228	1682341	848646	1682341	3418	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	37139206	19099361	37375253	19099361	236047	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	45851613	15292082	46624223	15292082	772610	0
PML - 6.6 KV C1to C8 (TIE U5) T9	677080	227	818565	227	141485	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	43258472	1045	43787119	1045	528647	0
PML - 6.6 KV C6 to U4A (TIE U3)T5	4359843	36	4369180	36	9337	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4493566	75	4507556	75	13990	0
PML - 6.6 KV U1A (Unit I/C U1)	63154154	26	65462298	26	2308144	0
PML - 6.6 KV U1B (Unit I/C U1)	87153996	115	89010627	115	1856631	0
PML - 6.6 KV U2A (Unit I/C U2)	18397510	46	21629802	46	3232292	0
PML - 6.6 KV U2B (Unit I/C U2)	32668554	112	34994768	112	2326214	0
PML - 6.6 KV U3A (Unit I/C U3)	79457447	28	82477307	28	3019860	0
PML - 6.6 KV U3B (Unit I/C U3)	63226516	0	65730030	0	2503514	0
PML - 6.6 KV U4A (Unit I/C U4)	34988215	55	38294110	55	3305895	0
PML - 6.6 KV U4B (Unit I/C U4)	3383312	0	6425358	0	3042046	0
PML - 6.6 KV U5A (Unit I/C U5)	7347808	0	257544	0	2909736	0
PML - 6.6 KV U5B (Unit I/C U5)	4593843	0	8211777	0	3617934	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2966.55	0	2966.00	0	1450	0
Total consumption by unit bus from Station					699916	0
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-1450	0
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1714653		1730104		15451000	
Cummins feeder at Cummins end	87449		89847		2398000	
Lafarge feeder at Lafarge end	285352.6131		294321.6618		8969049	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1755869	1774914	22854000	MF 1200000		
Lin # 9 SECURE METER Reading	3841.37	3880.51	39140000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	26883072	36.13	Generator # 4 reactive	41673037	56.01	
Generator # 2 reactive	24587776	33.05	Generator # 5 reactive	41686016	56.03	
Generator # 3 reactive	38001664	51.08				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	21558797	5	21822747	5	263950	0
Air Comp 1B (U1B Bus)	20227280	3	20354892	3	127612	0
Air Comp 2A (U2A Bus)	15043674	78921552	15284217	78921552	240543	0
Air Comp 2B (C3 Bus)	9797047	19276814	9871655	19276814	74608	0
Air Comp 2C (U3A Bus)	85037316	329	85291769	329	254453	0
Air Comp 4A (U 4A Bus)	26549270	0	26747789	0	198519	0
Air Comp 4B (U 4B Bus)	42579059	3	42886149	3	307090	0
Air Comp 5B (U5B Bus)	55179459	3727	55371088	3727	191629	0
			Total Comp Load		1658404	
CLPH unit # 1 Readings						
CLPH INC 1	16017.68	10	16185.38	10	167699	0
CLPH INC 2	11424.41	16	11526.64	16	102225	0
CT FAN BUS A SIDE	6569.10	16294	6648.12	16294	79026	0
CT FAN BUS B SIDE	6515.67	64	6594.64	64	78975	0
			Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)		111923	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT
Report Generated on :

FROM: 01-May-23 12:00:00 AM
01-Jun-23 10:00:00 AM

TO: 31-May-23 12:00:00 AM

Total Station Load (C1 + C2+ C5)	3683444	Total station to unit tie load	699916	3310914	< allocated load	
Total Compressor load on units	1583796	Total common load on CLPH bus for allocation		111923		
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	44201984	79371264	80609280	84160960	88765440	377108928
Unit Load	4429987	5637366	6007993	6851509	6902272	29829127
Compressor Load allocation	185641	333346	338546	353462	372800	1583796
CLPH load allocation	13119	23557	23924	24978	26345	111923
Corrected Unit Load	4125262	5753726	6116010	6724341	7109788	29829127
% Unit Consumption	9.33	7.25	7.59	8.01	8.01	7.91%
Allocated Station Load	388081	696858	707728	738910	779336	3310914
Station to unit consumption	0	0	6457	23327	342561	372345
Total station load for each unit	388081	696858	714185	762237	1121897	3683259
% station load	0.88%	0.88%	0.89%	0.91%	1.26%	0.98%
Total Aux. consumed by unit	4513343	6450584	6830195	7486578	8231686	33512386
% of Aux. Consumption	10.21%	8.13%	8.47%	8.90%	9.27%	8.89%
Deemed PLF	100.00%	100.00%	99.87%	99.54%	100.00%	
PLF %	88.02%	88.90%	90.29%	94.27%	99.42%	92.58%

Tisco Representative

TPCL Representative

Name: Mr. C N S Gautam

Name: Mr. Chandrasekhar Singh, Biswajit Mohanty, Prasant Dehury

Signature

Signature

Date & Time

01-Jun-23 10:00:00 AM

Date & Time

01-Jun-23 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1, C2, C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

Head (Accounts)

Generation Details for the Month of June'23

1. GENERATION (MWH)		UNIT	ACTUAL	PLAN						
1a. Generation from Unit#1 (67.5 MW)		MWH	39912.45	36628.20						
1b. Generation from Unit#2 - Regulated Capacity (120 MW)		MWH	84135.94	84348.00						
1c. Generation from Unit#3 - Regulated Capacity (120 MW)		MWH	78332.93	84585.60						
1d. Generation from Unit#4 (120 MW)		MWH	75032.51	80764.80						
1e. Total Generation from Station (427.5 MW)		MWH	277413.82	286326.60						
2. RUNNING HOURS (HRS)			ACTUAL	PLAN						
2a. Running hours of Unit#1 (67.5 MW)		HOURS	720.0	714.0						
2b. Running hours of Unit#2 (120 MW)		HOURS	720.0	710.0						
2c. Running hours of Unit#3 (120 MW)		HOURS	720.0	712.0						
2d. Running hours of Unit#4 (120 MW)		HOURS	720.0	716.0						
3. GENERATION AVAILABILITY (%)		* Average Declared Capacity (MW)	Generation Availability (%)							
3a. Generation Availability of Unit#2 (%)		108.69		99.53%						
3b. Generation Availability of Unit#3 (%)		108.36		99.23%						
(Availability figures are for full month of 30 days)										
4. EXPORT METER READINGS (MWH)										
4a. Power Export through 132 KV Feeders		MWH		298888						
4b. Power Export through 33 KV Feeders		MWH		21954						
4c. Total Export		MWH		320842.73						
(Export meter readings are as per PML Meters)										
5. IMPORT METER READINGS (MWH)										
5a. Power Import		MWH		0.00						
6. AUX POWER CONSUMPTION & TRANSFORMER LOSSES (MWH)										
6a. Unit#1 Aux Power Consumption		MWH		4290.6						
6b. Unit#2 Aux Power Consumption		MWH		7106.9						
6c. Unit#3 Aux Power Consumption		MWH		6735.7						
6d. Unit#4 Aux Power Consumption		MWH		6993.4						
6e. Total Aux Power Consumption		MWH	25126.60	% 9.06						
(System Losses are included in units auxiliary power consumption)										
7. Ex-Bus Generation (MWH)										
7a. Ex-Bus Generation from Unit#2 - Regulated Capacity (120 MW)*		MWH		77029.02						
7b. Ex-Bus Generation from Unit#3 - Regulated Capacity (120 MW)*		MWH		71597.22						
8.a COAL RECEIPT, CONSUMPTION & STOCK (MT)		Unit	Opening Stock *	Receipt	Consumption				Closing Stock	
Item					Unit#1	Unit#2	Unit#3	Unit #4	Total	
Middling Coal (1 to 4)	MT	17311.12			12012.52	0.00	0.00	4586.00	16598.52	712.60
MCL Coal (1&4) T4	MT	6334.35	3253.15		3138.73	0.00	0.00		3138.73	6448.77
Tailing (By Rake)(1&3)	MT	4610.38	6152.62			877.50	1873.03		2750.53	8012.47
CCL(1&4) T4	MT	1484.26	18992.89		1610.29	0.00	0.00		1610.29	18866.86
ECL Shakti(2&3)	MT	7796.06	15777.25		0.00	9136.45	13421.83		22558.28	1015.03
ECL(1&4) T4	MT	16033.80			9880.34	0.00	0.00		9880.34	6153.46
NCL (1&4) T4	MT	2819.10	8081.03		501.28	0.00	0.00		501.28	10398.85
WB REJECT (2&3)	MT	2643.97				1123.56	997.80		2121.36	522.61
MCL Shakti(2&3)	MT	17339.43	7984.61		0.00	3161.15	9906.86		13068.01	12256.03
CCL Shakti(2&3) Round 2	MT	10530.80	27443.08		0.00	14704.46	17638.32		32342.78	5631.10
CCL Shakti(2&3) Round 3	MT	0.00	34760.13		0.00	961.75	900.36		1862.11	32898.02
CCL Shakti(2&3) W-IV	MT	24964.27	7883.32		0.00	24347.38	6437.73		30785.11	2062.48
U4 MIDDLING	MT	0.00	100466.40					46274.00	46274.00	54192.40
U4 PRIVATE	MT	0.00	7654.05					0.00	0.00	7654.05
Total Coal	MT	111867.54	238448.53		27143.16	54312.25	51175.93	50860.00	183491.34	166824.73
8.b LDO RECEIPT, CONSUMPTION & STOCK (KL)		Unit	Opening Stock	Receipt	Consumption				Closing Stock	
Item					Unit#1	Unit#2	Unit#3	Unit #4	Total	
LDO	KL	778.91	0.00		1.14	0.50	0.50	39.00	41.14	737.77
9. RAW WATER CONSUMPTION (M ³)										
9a. Unit#1 Raw Water Consumption					M ³				97131	
9b. Unit#2 Raw Water Consumption					M ³				204754	
9c. Unit#3 Raw Water Consumption					M ³				190632	
9d. Unit#4 Raw Water Consumption					M ³				182600	
9f. Total Raw Water Consumption					M³				675117	
10. FLY ASH UTILISATION (MT) including IEL unit 5										
Nuvoco	MT	39568	Bricks	MT	0	Wet Disposal	MT	22019		
Dalmia+ Sri Cement	MT	11500	RMC	MT	5604	FA Generated	MT	78691		
Ash Bagging	MT	0	DFA Utilized	MT	56672	Fly Ash Utilized	MT	78691		
Pond Ash Generated	MT	41691	Pond Ash Utilized	MT	13392	Fly Ash Utilization	%	100%		
					Pond 1	Pond 2				
Total capacity	MT	500364		MT	373059					
Total ash in pond in last month	MT	180574		MT	268391					
Total Ash Sent to Jemco Pond	MT	41691								
Cleaned during this month (dry & slag free)	MT	0			13392					
Ash Shifting to Low Lying area (With wet & moisture)	MT									
Ash Shifting to ISWP Site (With wet & moisture)	MT				16420					
Total Cleaned during this month (With wet & moisture)	MT	0			16420					
Total ash in pond after cleaning	MT	222265			254999					
% of ash in pond					44%	68%				
Considering full load & total ash sent to pond at the rate of 3470 MT/Day.										

Note: The plan figures of generation and running hours are as per ABP figures.
Ex-Bus Generation of Regulated capacity of Units 2 & 3 has been considered with Actual Aux Power.
LDO Opening Stock indicates Tata Power Stock only.
Fly Ash Utilization data is inclusive of Unit 5.

Abhishek Bose
(Group Head -MIS, Perf & Efficiency)

Basudev Hansdah
(Chief O&M)

Jagmit Singh Sidhu
(CEO - IEL & Chief -Jamshedpur Operations)

TATA POWER COMPANY LIMITED
 JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT
 Report Generated on :

FROM: 01-Jun-23 12:00:00 AM
 01-Jul-23 10:00:00 AM

TO: 30-Jun-23 12:00:00 AM

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	3243396096	57	3283286784	57	39890688	0
PML- GEN # 2 (Check)	6533330432	65	6617752064	65	84421632	0
PML- GEN # 3 (CHECK)	7511843328	169	7590304256	169	78460928	0
PML- GEN # 4 (CHECK)	14452037632	455	14526849024	455	74811392	0
PML- GEN # 5	10457092096	237	10535448576	237	78356480	0
Total Generation (PML)					355941120	
PML- GEN # 1 (G1B)	9679401984	373	9719314432	373	39912448	0
PML- GEN # 2 (G2B)	16330487808	497	16414623744	497	84135936	0
PML- GEN # 3 (G3B)	16647738368	566	16726071296	566	78332928	0
PML GEN # 4 (G4B)	854807872	62	929840384	62	75032512	0
PML GEN # 5 (G5B)	10449692672	1556	10527951872	1557	78259200	1
Total Generation (Alpha)					355673024	
EXPORT						
PML- LINE # 1	10113678336	215528	10159640576	215528	45962240	0
PML- LINE # 2	1361171264	1268	1406576405	1268	45405141	0
PML- LINE # 3	9392497664	107158	9436517376	107158	44019712	0
PML- LINE # 4	4350432256	57270	4392515584	57270	42083328	0
PML- LINE # 5	5773315584	11297313	5806017024	11297313	32701440	0
PML- LINE # 6	2224451584	785	2250359040	785	25907456	0
PML- LINE # 7	1493715072	130523064	1505283328	130523064	11568256	0
PML- LINE # 8	1395951232	49050048	1407803776	49050048	11852544	0
PML- LINE # 9	3756829696	44	3796217856	44	39388160	0
Total 132 KV export					298888277	0
PML- 33 kV ST1	3021340928	2824	3031170048	2824	9829120	0
PML- 33 kV ST2	2374958080	9122	2384461824	9122	9503744	0
PML- 33 kV ST3	308260127	153503	310881711	163006	2621584	9503
Total 33 KV export					21954448	9503
PML- 132 kV ST1	3214799104	683214	3225891328	683214	11092224	0
PML- 132 kV ST2	2502012416	1350151	2512793600	1350151	10781184	0
PML- 132 kV ST3	2205094144	2099638	2208530176	2103603	3436032	0
ST 132 KV total					25309440	0
PML- 6.6 kV C1 (T1C)	48939797	866	50397655	866	1457858	0
PML- 6.6 kV C2 (T2C)	94387256	93946	95856327	93946	1469071	0
PML- 6.6 kV C5 (T3C)	72724710	186	73679189	186	954479	0
Total 6.6 KV station load					3881408	0
PML- 132 kV GT1 (G1A)	8541154816	8520	8576807936	8520	35653120	0
PML- 132 kV GT2 (G2A)	2285061869	41	2363074366	41	78012497	0
PML- 132 kV GT3 (G3A)	15256167424	2986	15328838656	2986	72671232	0
PML- 132 kV GT4 (G4A)	11156882432	18401	11225395200	18401	68512768	0
PML- 132 kV ICT1 (G5A)	7791782912	1277	7863462912	1297	71680000	20
Total GT export at 132 KV					326529617	20
PML - 6.6 KV C1 to U1A (TIE-U1) T1	4093449	37	4093449	37	0	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50506262	383338	50506262	383338	0	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	1047845	3415811	1047845	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	739789	9132807	739789	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3)T5	1112478	6167915	1112478	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	848646	1682341	848646	1682341	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	37375253	19099361	37637499	19099361	262246	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	46624223	15292082	47335120	15292082	710897	0
PML - 6.6 KV C1to C8 (TIE U5) T9	818565	227	963636	227	145071	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	43787119	1045	44301040	1045	513921	0
PML - 6.6 KV C6 to U4A (TIE U3)T5	4369180	36	4369180	36	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4507556	75	4507556	75	0	0
PML - 6.6 KV U1A (Unit I/C U1)	65462298	26	67603027	26	2140729	0
PML - 6.6 KV U1B (Unit I/C U1)	89010627	115	90795110	115	1784483	0
PML - 6.6 KV U2A (Unit I/C U2)	21629802	46	24784884	46	3155082	0
PML - 6.6 KV U2B (Unit I/C U2)	34994768	112	37528615	112	2533847	0
PML - 6.6 KV U3A (Unit I/C U3)	82477307	28	85275895	28	2798588	0
PML - 6.6 KV U3B (Unit I/C U3)	65629828	0	68026066	0	2396238	0
PML - 6.6 KV U4A (Unit I/C U4)	38294110	55	41379012	55	3084902	0
PML - 6.6 KV U4B (Unit I/C U4)	6425358	0	9137177	0	2711819	0
PML - 6.6 KV U5A (Unit I/C U5)	257544	0	3096551	0	2839007	0
PML - 6.6 KV U5B (Unit I/C U5)	8211777	0	1595324	0	3383547	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2968.00	0	2969.43	0	1430	0
Total consumption by unit bus from Station					658992	0
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-1430	0
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1730104		1747006		16902000	
Cummins feeder at Cummins end	89847		92404		2557000	
Lafarge feeder at Lafarge end	294321.6618		296997.1508		2675489	
132 KV line 9 and 0 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1774914	1796528	25936800	MF 1200000		
Lin # 9 SECURE METER Reading	3880.51	3919.11	38600000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	25086464	34.84	Generator # 4 reactive	39839292	55.33	
Generator # 2 reactive	21684736	30.12	Generator # 5 reactive	37591552	52.21	
Generator # 3 reactive	36354560	50.49				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	21822747	5	22061634	5	238887	0
Air Comp 1B (U1B Bus)	20354892	3	20471132	3	116240	0
Air Comp 2A (U2A Bus)	15284217	78921552	15544707	78921552	260490	0
Air Comp 2B (C3 Bus)	9871655	19276814	10181735	19276814	310080	0
Air Comp 2C (U3A Bus)	85291769	329	85375925	329	84156	0
Air Comp 4A (U 4A Bus)	26747789	0	27015279	0	267490	0
Air Comp 4B (U 4B Bus)	42886149	3	42980189	3	94040	0
Air Comp 5B (U5B Bus)	55371088	3727	55857001	3727	485913	0
			Total Comp Load		1857296	
CLPH unit # 1 Readings						
CLPH INC 1	16185.38	10	16349.73	10	164345	0
CLPH INC 2	11526.64	16	11624.95	16	98315	0
CT FAN BUS A SIDE	6648.12	16294	6724.90	16294	76780	0
CT FAN BUS B SIDE	6594.64	64	6671.47	64	76826	0
			Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)		109054	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-Jun-23 12:00:00 AM TO: 30-Jun-23 12:00:00 AM
Report Generated on : 01-Jul-23 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3882838	Total station to unit tie load	658992	3602206	< allocated load	
Total Compressor load on units	1547216	Total common load on CLPH bus for allocation		109054		
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	39912448	84135936	78332928	75032512	78259200	355673024
Unit Load	4164687	6123491	5661748	6245589	6579200	28774715
Compressor Load allocation	173623	366000	340757	326400	340436	1547216
CLPH load allocation	12238	25797	24018	23006	23995	109054
Corrected Unit Load	3886367	6254799	5942367	6233465	6457718	28774715
% Unit Consumption	9.74	7.43	7.59	8.33	8.25	8.09%
Allocated Station Load	404228	852117	793345	759919	792598	3602206
Station to unit consumption	0	0	0	0	280528	280528
Total station load for each unit	404228	852117	793345	759919	1073126	3882734
% station load	1.01%	1.01%	1.01%	1.01%	1.37%	1.09%
Total Aux. consumed by unit	4290594	7106915	6735711	6993383	7530844	32657449
% of Aux. Consumption	10.75%	8.45%	8.60%	9.32%	9.62%	9.18%
Deemed PLF	100.00%	100.00%	100.00%	100.00%	99.74%	
PLF %	82.12%	97.38%	90.66%	86.84%	90.58%	90.23%

Tisco Representative

TPCL Representative

Name: Mr. C N S Gautam

Name: Mr.Chandrasekhar Singh,Biswajit Mohanty,Prasant Dehury

Signature

Signature

Date & Time

01-Jul-23 10:00:00 AM

Date & Time

01-Jul-23 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT 2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 8.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1,C2,C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

Head (Accounts)

Generation Details for the Month of July'23

1. GENERATION (MWH)		UNIT	ACTUAL	PLAN					
1a. Generation from Unit#1 (67.5 MW)		MWH	42010.62	37756.80					
1b. Generation from Unit#2 - Regulated Capacity (120 MW)		MWH	83520.51	87024.00					
1c. Generation from Unit#3 - Regulated Capacity (120 MW)		MWH	76488.70	87674.40					
1d. Generation from Unit#4 (120 MW)		MWH	75277.44	82360.80					
1e. Total Generation from Station (427.5 MW)		MWH	277297.28	294816.00					
2. RUNNING HOURS (HRS)			ACTUAL	PLAN					
2a. Running hours of Unit#1 (67.5 MW)		HOURS	744.0	736.0					
2b. Running hours of Unit#2 (120 MW)		HOURS	744.0	740.0					
2c. Running hours of Unit#3 (120 MW)		HOURS	744.0	738.0					
2d. Running hours of Unit#4 (120 MW)		HOURS	744.0	738.0					
3. GENERATION AVAILABILITY (%)		* Average Declared Capacity (MW)	Generation Availability (%)						
3a. Generation Availability of Unit#2 (%)		108.82	99.66%						
3b. Generation Availability of Unit#3 (%)		109.03	99.84%						
(Availability figures are for full month of 31 days)									
4. EXPORT METER READINGS (MWH)									
4a. Power Export through 132 KV Feeders		MWH		298922					
4b. Power Export through 33 KV Feeders		MWH		20572					
4c. Total Export		MWH		319493.79					
(Export meter readings are as per PML Meters)									
5. IMPORT METER READINGS (MWH)									
5a. Power Import		MWH		91.88					
6. AUX POWER CONSUMPTION & TRANSFORMER LOSSES (MWH)									
6a. Unit#1 Aux Power Consumption		MWH		4535.5					
6b. Unit#2 Aux Power Consumption		MWH		7233.6					
6c. Unit#3 Aux Power Consumption		MWH		6874.1					
6d. Unit#4 Aux Power Consumption		MWH		6622.7					
6e. Total Aux Power Consumption		MWH	25265.88	9.11					
(System Losses are included in units auxiliary power consumption)									
7. Ex-Bus Generation (MWH)									
7a. Ex-Bus Generation from Unit#2 - Regulated Capacity (120 MW)*		MWH		76286.95					
7b. Ex-Bus Generation from Unit#3 - Regulated Capacity (120 MW)*		MWH		69614.57					
8.a COAL RECEIPT, CONSUMPTION & STOCK (MT)		Unit	Opening Stock *	Receipt	Consumption				Closing Stock
Item	Unit	Opening Stock *	Receipt	Unit#1	Unit#2	Unit#3	Unit #4	Total	Closing Stock
Middling Coal (1 to 4)	MT	712.60		712.60	0.00	0.00		712.60	0.00
MCL Coal (1&4) T4	MT	6448.77		6448.77	0.00	0.00		6448.77	0.00
Tailing (By Rake)(1&3)	MT	8012.47			3501.00	1416.00		4917.00	3095.47
CCL(1&4) T4	MT	18866.86	39128.70	11784.00	0.00	0.00		11784.00	46211.56
ECL Shakti(2&3)	MT	1015.03	3858.20	0.00	474.03	541.00		1015.03	3858.20
ECL(1&4) T4	MT	6153.46	11598.69	10194.46	0.00	0.00		10194.46	7557.69
ECL(2&3) SFA	MT	0.00						0.00	0.00
NCL (1&4) T4	MT	10398.85	15967.05	987.23	0.00	0.00		987.23	25378.67
WB REJECT (2&3)	MT	522.61			351.61	171.00		522.61	0.00
MCL Shakti(2&3)	MT	12256.03	16308.31	0.00	10610.00	4542.00		15152.00	13412.34
CCL Shakti(2&3) Round 2	MT	5631.10	11967.50	0.00	1443.00	1161.00		2604.00	14994.60
CCL Shakti(2&3) Round 3	MT	32898.02	63312.19	0.00	40859.00	44085.00		84944.00	11266.21
CCL Shakti(2&3) W-IV	MT	2062.48		0.00	1298.48	764.00		2062.48	0.00
U4 MIDDLING	MT	54192.40	62999.22				48517.00	48517.00	68674.62
U4 PRIVATE	MT	7654.05	22491.34				2073.00	2073.00	28072.39
Total Coal	MT	166824.73	247631.20	30127.06	58537.12	52680.00	50590.00	191934.18	222521.75
8.b LDO RECEIPT, CONSUMPTION & STOCK (KL)		Unit	Opening Stock	Receipt	Consumption				Closing Stock
Item	Unit	Opening Stock	Receipt	Unit#1	Unit#2	Unit#3	Unit #4	Total	Closing Stock
LDO	KL	737.77	100.00	1.36	10.00	5.00	5.00	21.36	816.41
9. RAW WATER CONSUMPTION (M ³)									
9a. Unit#1 Raw Water Consumption		M ³						98233	
9b. Unit#2 Raw Water Consumption		M ³						195295	
9c. Unit#3 Raw Water Consumption		M ³						178852	
9d. Unit#4 Raw Water Consumption		M ³						176020	
9f. Total Raw Water Consumption		M³						648400	
10. FLY ASH UTILISATION (MT) including IEL unit-5									
Nuvoco	MT	36861	Bricks	MT	0	Wet Disposal		MT	27805
Dalmia+ Sri Cement	MT	8609	RMC	MT	4267	FA Generated		MT	77541
Ash Bagging	MT	0	DFA Utilized	MT	49736	Fly Ash Utilized		MT	77541
Pond Ash Generated	MT	47190	Pond Ash Utilized	MT	34063	Fly Ash Utilization	%		100%
Total capacity				Pond 1	Pond 2				
Total ash in pond in last month	MT			500364	373059				
Total Ash Sent to Jemco Pond	MT			222265	254999				
Cleaned during this month (dry & slag free)	MT			47190	0				
Ash Shifting to Low Lying area (With wet & moisture)	MT			0	34063				
Ash Shifting to ISWP Site (With wet & moisture)	MT				41766				
Total Cleaned during this month (With wet & moisture)	MT			0	41766				
Total ash in pond after cleaning	MT			269455	220937				
% of ash in pond				54%	59%				Considering full load & total ash sent to pond at the rate of 3470 MT/Day.

Note: The plan figures of generation and running hours are as per ABP figures.
Ex-Bus Generation of Regulated capacity of Units 2 & 3 has been considered with Actual Aux Power.
LDO Opening Stock indicates Tata Power Stock only.
Fly Ash Utilization data is inclusive of Unit 5.

Abhishek Bose
(Group Head -MIS, Perf & Efficiency)

Basudev Hansdah
(Chief O&M)

Jagmit Singh Sidhu
(CEO - IEL & Chief -Jamshedpur Operations)

TATA POWER COMPANY LIMITED
 JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT
 Report Generated on:

FROM: 01-Jul-23 12:00:00 AM
 01-Aug-23 10:00:00 AM

TO: 31-Jul-23 12:00:00 AM
 Sheet 1 of 2

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	3283286784	57	3325278976	57	41992192	0
PML- GEN # 2 (Check)	6617752064	65	6701592576	65	83840512	0
PML- GEN # 3 (CHECK)	7590304256	169	7666926592	169	76622336	0
PML- GEN # 4 (CHECK)	14526849024	455	14601836544	455	74987520	0
PML- GEN # 5	10535448576	237	10613052416	239	77603840	2
Total Generation (PML)					355046400	
PML- GEN # 1 (G1B)	9719314432	373	9761325056	373	42010624	0
PML- GEN # 2 (G2B)	16414623744	497	16498144256	497	83520512	0
PML- GEN # 3 (G3B)	16726071296	566	16802560000	566	76488704	0
PML GEN # 4 (G4B)	929840384	62	1005117827	62	75277443	0
PML GEN # 5 (G5B)	10527951872	1557	10605461504	1557	77509632	0
Total Generation (Alpha)					354806915	
EXPORT						
PML- LINE # 1	10159640576	215528	10207199232	215528	47558656	0
PML- LINE # 2	1406576405	1268	1453518705	1268	46942300	0
PML- LINE # 3	9436517376	107158	9482070016	107158	45552640	0
PML- LINE # 4	4392515584	57270	4435704320	57270	43188736	0
PML- LINE # 5	5806017024	11297313	5832791040	11389196	26774016	91883
PML- LINE # 6	2250359040	785	2273745152	785	23386112	0
PML- LINE # 7	1505283325	130523064	1518970112	130523064	13686784	0
PML- LINE # 8	1407803776	49050048	1421789824	49050048	13986048	0
PML- LINE # 9	3796217856	44	3834064384	44	37846528	0
Total 132 KV export					298921820	91883
PML- 33 kV ST1	3031170048	2824	3040613376	2824	9443328	0
PML- 33 kV ST2	2384461824	9122	2393634304	9122	9172480	0
PML- 33 kV ST3	310881711	163006	312837872	221851	1956161	58845
Total 33 KV export					20571969	58845
PML- 132 kV ST1	3225891328	683214	3236493312	683214	10601984	0
PML- 132 kV ST2	2512793600	1350151	2523190528	1350151	10396928	0
PML- 132 kV ST3	2208530176	2103603	2211260928	2125563	2730752	0
ST 132 KV total					23729664	0
PML- 6.6 kV C1 (T1C)	50397655	866	51791078	866	1393423	0
PML- 6.6 kV C2 (T2C)	95856327	93946	97323623	93946	1467296	0
PML- 6.6 kV C5 (T3C)	73679189	186	74640623	186	961434	0
Total 6.6 KV station load					3822153	0
PML- 132 kV GT1 (G1A)	8576807936	8520	8614543360	8520	37735424	0
PML- 132 kV GT2 (G2A)	2363074366	41	2440448165	41	77373799	0
PML- 132 kV GT3 (G3A)	15328838656	2986	15399452672	2986	70614016	0
PML- 132 kV GT4 (G4A)	11225395200	18401	11293612032	18401	68216832	0
PML- 132 kV ICT1 (G5A)	7863462912	1297	7934385152	1297	70922240	0
Total GT export at 132 KV					324862311	0
PML - 6.6 KV C1 to U1A (TIE-U1) T1	4093449	37	4093449	37	0	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50506262	383338	50506262	383338	0	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	1047845	3415811	1047845	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	739789	9132807	739789	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3) T5	1112478	6167915	1112478	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	848646	1682341	848646	1682341	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	37637499	19099361	37892196	19099361	254697	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	47335120	15292082	48032865	15292082	697745	0
PML - 6.6 KV C1 to C8 (TIE U5) T9	963636	227	1071012	227	107376	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	44301040	1045	44733163	1045	432123	0
PML - 6.6 KV C6 to U4A (TIE U3) T5	4369180	36	4369180	36	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4507556	75	4507556	75	0	0
PML - 6.6 KV U1A (Unit I/C U1)	67603027	26	69749317	26	2146290	0
PML - 6.6 KV U1B (Unit I/C U1)	90795110	115	92597561	115	1802451	0
PML - 6.6 KV U2A (Unit I/C U2)	24784884	46	28244913	46	3460029	0
PML - 6.6 KV U2B (Unit I/C U2)	37528615	112	39853485	112	2324870	0
PML - 6.6 KV U3A (Unit I/C U3)	85275895	28	88123312	28	2847417	0
PML - 6.6 KV U3B (Unit I/C U3)	68026066	0	70619649	0	2593583	0
PML - 6.6 KV U4A (Unit I/C U4)	41379012	55	44720819	55	3341807	0
PML - 6.6 KV U4B (Unit I/C U4)	9137177	0	11536119	0	2398942	0
PML - 6.6 KV U5A (Unit I/C U5)	3096551	0	5934066	0	2837515	0
PML - 6.6 KV U5B (Unit I/C U5)	1595324	0	5022765	0	3427441	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2969.43	0	2970.69	0	1260	0
Total consumption by unit bus from Station					539499	0
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-1260	0
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1747006		1763329		16323000	
Cummins feeder at Cummins end	92404		94858		2454000	
Lafarge feeder at Lafarge end	296997.1508		299008.0576		2010907	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1796528	1816002	23368800	MF 1200000		
Lin # 9 SECURE METER Reading	3919.11	3957.21	38100000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	24451584	32.87	Generator # 4 reactive	41634168	55.96	
Generator # 2 reactive	21822464	29.33	Generator # 5 reactive	37151744	49.94	
Generator # 3 reactive	34498048	46.37				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	22061634	5	22241996	5	180362	0
Air Comp 1B (U1B Bus)	20471132	3	20513786	3	42654	0
Air Comp 2A (U2A Bus)	15544707	78921552	15808058	78921552	263351	0
Air Comp 2B (C3 Bus)	10181735	19276814	10538619	19276814	356884	0
Air Comp 2C (U3A Bus)	85375925	329	85599886	329	223961	0
Air Comp 4A (U 4A Bus)	27015279	0	27268223	0	252944	0
Air Comp 4B (U 4B Bus)	42980189	3	43493071	3	512882	0
Air Comp 5B (U5B Bus)	55857001	3727	56345841	3727	488840	0
			Total Comp Load		2321878	
CLPH unit # 1 Readings						
CLPH INC 1	16349.73	10	16514.27	10	164545	0
CLPH INC 2	11624.95	16	11724.83	16	99877	0
CT FAN BUS A SIDE	6724.90	16294	6801.70	16294	76795	0
CT FAN BUS B SIDE	6671.47	64	6748.30	64	76830	0
	Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)				110797	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-Jul-23 12:00:00 AM TO: 31-Jul-23 12:00:00 AM
Report Generated on: 01-Aug-23 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3823413	Total station to unit tie load	539499	3570078	< allocated load	
Total Compressor load on units	1964994	Total common load on CLPH bus for allocation	110797			
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	42010624	83520512	76488704	75277443	77509632	354806915
Unit Load	4200805	6167894	5880964	6190674	6587392	29027729
Compressor Load allocation	232664	462554	423610	416902	429264	1964994
CLPH load allocation	13119	26081	23885	23507	24204	110797
Corrected Unit Load	4112774	6393178	6104499	5865257	6552021	29027729
% Unit Consumption	9.79	7.65	7.98	7.82	8.45	8.18%
Allocated Station Load	422712	840386	769632	757444	779904	3570078
Station to unit consumption	0	0	0	0	225878	225878
Total station load for each unit	422712	840386	769632	757444	1005782	3795956
% station load	1.01%	1.01%	1.01%	1.01%	1.30%	1.07%
Total Aux. consumed by unit	4535486	7233564	6874130	6622701	7557803	32823685
% of Aux. Consumption	10.80%	8.66%	8.99%	8.80%	9.75%	9.25%
Deemed PLF	100.00%	100.00%	100.00%	100.00%	100.00%	
PLF %	83.65%	93.55%	85.67%	84.32%	86.82%	87.10%

Tisco Representative

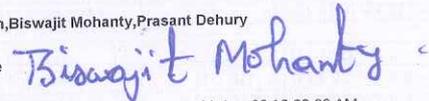
TPCL Representative

Name: Mr. C N S Gautam

Name: Mr.Chandrasekhar Singh,Biswajit Mohanty,Prasant Dehury

Signature

Signature



Date & Time

01-Aug-23 10:00:00 AM

Date & Time

01-Aug-23 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1,C2,C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

Head (Accounts)

Generation Details for the Month of August'23

1. GENERATION (MWH)		UNIT	ACTUAL	PLAN						
1a. Generation from Unit#1 (67.5 MW)		MWH	40997.89	37462.50						
1b. Generation from Unit#2 - Regulated Capacity (120 MW)		MWH	86317.06	86788.80						
1c. Generation from Unit#3 - Regulated Capacity (120 MW)		MWH	78613.50	87912.00						
1d. Generation from Unit#4 (120 MW)		MWH	77174.25	81914.40						
1e. Total Generation from Station (427.5 MW)		MWH	283102.70	294077.70						
2. RUNNING HOURS (HRS)			ACTUAL	PLAN						
2a. Running hours of Unit#1 (67.5 MW)		HOURS	744.0	740.0						
2b. Running hours of Unit#2 (120 MW)		HOURS	744.0	738.0						
2c. Running hours of Unit#3 (120 MW)		HOURS	744.0	740.0						
2d. Running hours of Unit#4 (120 MW)		HOURS	744.0	734.0						
3. GENERATION AVAILABILITY (%)		* Average Declared Capacity (MW)	Generation Availability (%)							
3a. Generation Availability of Unit#2 (%)		108.16	99.05%							
3b. Generation Availability of Unit#3 (%)		108.63	99.48%							
(Availability figures are for full month of 31 days)										
4. EXPORT METER READINGS (MWH)										
4a. Power Export through 132 KV Feeders		MWH	300178							
4b. Power Export through 33 KV Feeders		MWH	26367							
4c. Total Export		MWH	326544.62							
(Export meter readings are as per PML Meters)										
5. IMPORT METER READINGS (MWH)										
5a. Power Import		MWH	10.95							
6. AUX POWER CONSUMPTION & TRANSFORMER LOSSES (MWH)										
6a. Unit#1 Aux Power Consumption		MWH	4532.0							
6b. Unit#2 Aux Power Consumption		MWH	6960.3							
6c. Unit#3 Aux Power Consumption		MWH	6995.6							
6d. Unit#4 Aux Power Consumption		MWH	7287.3							
6e. Total Aux Power Consumption		MWH	25775.15	9.10						
(System Losses are included in units auxiliary power consumption)										
7. Ex Bus Generation (MWH)										
7a. Ex-Bus Generation from Unit#2 - Regulated Capacity (120 MW)*		MWH	79356.74							
7b. Ex-Bus Generation from Unit#3 - Regulated Capacity(120 MW)*		MWH	71617.95							
8.a COAL RECEIPT, CONSUMPTION & STOCK (MT)		Unit	Opening Stock *	Receipt	Consumption				Closing Stock	
					Unit#1	Unit#2	Unit#3	Unit #4	Total	
Middling Coal (2&3)	MT	0.00	14858.41		0.00	2057.00	1536.00		3593.00	11265.41
Tailing (By Rake)(1&3)	MT	3095.47				707.00	75.00		782.00	2313.47
CCL(1&4) T4	MT	46211.56	3920.50	5496.00	0.00	0.00			5496.00	44636.06
ECL Shakti(2&3)	MT	3858.20	11937.05	0.00	13154.25	2641.00			15795.25	0.00
ECL(1&4) T4	MT	7557.69	7902.94	8226.69	0.00	0.00			8226.69	7233.94
NCL (1&4) T4	MT	25378.67	3981.55	13463.31	0.00	0.00			13463.31	15896.91
MCL Shakti(2&3)	MT	13412.34	27711.34	0.00	8627.00	10184.40			18811.40	22312.28
CCL Shakti(2&3) Round 2	MT	14994.60	19785.14	0.00	5570.00	11434.60			17004.60	17775.14
CCL Shakti(2&3) Round 3	MT	11266.21	43908.26	0.00	18381.40	24261.00			42642.40	12532.07
CCL Shakti(2&3) W-IV	MT	0.00	18731.14	0.00	6722.35	3665.00			10387.35	8343.79
U4 MIDDLING	MT	68674.62	42198.17				43199.00		43199.00	67673.79
U4 PRIVATE	MT	28072.39	7691.20				6866.00		6866.00	28897.59
Total Coal	MT	222521.75	202625.70	27186.00	55219.00	53797.00	50065.00		186267.00	238880.45
8.b LDO RECEIPT, CONSUMPTION & STOCK (KL)		Unit	Opening Stock	Receipt	Consumption				Closing Stock	
					Unit#1	Unit#2	Unit#3	Unit #4	Total	
LDO	KL	816.41	50.00		18.65	1.50	5.00	11.00	36.15	830.26
9. RAW WATER CONSUMPTION (M ³)										
9a. Unit#1 Raw Water Consumption					M ³	91910				
9b. Unit#2 Raw Water Consumption					M ³	193507				
9c. Unit#3 Raw Water Consumption					M ³	176237				
9d. Unit#4 Raw Water Consumption					M ³	173010				
9f. Total Raw Water Consumption					M³	634663				
10. FLY ASH UTILISATION (MT) including IEL unit-5										
Nuvoco	MT	33259	Bricks	MT	0	Wet Disposal	MT	31498		
Dalmia+ Sri Cement	MT	1369	RMC	MT	4447	FA Generated	MT	70573		
Ash Bagging	MT	0	DFA Utilized	MT	39075	Fly Ash Utilized	MT	70573		
Pond Ash Generated	MT	49142	Pond Ash Utilized	MT	33103	Fly Ash Utilization	%	100%		
					Pond 1	Pond 2				
Total capacity	MT	500364			373059					
Total ash in pond in last month	MT	269455			220937					
Total Ash Sent to Jermco Pond	MT	23348			25795					
Cleaned during this month (dry & slag free)	MT	15039			18065					
Ash Shifting to Low Lying area (With wet & moisture)	MT									
Ash Shifting to ISWP Site (With wet & moisture)	MT	18440			22150					
Total Cleaned during this month (With wet & moisture)	MT	18440			22150					
Total ash in pond after cleaning	MT	277764			228666					
% of ash in pond	%				56%	61%	Considering full load & total ash sent to pond at the rate of 3470 MT/Day.			

Note: The plan figures of generation and running hours are as per ABP figures.
Ex- Bus Generation of Regulated capacity of Units 2 & 3 has been considered with Actual Aux Power.
LDO Opening Stock indicates Tata Power Stock only.
Fly Ash Utilization data is inclusive of Unit 5.

Abhishek Bose
(Group Head - MIS, Perf & Efficiency)

Basudev Hansdah
(Chief O&M)

Jagmit Singh Sidhu
(CEO - IEL & Chief - Jamshedpur Operations)

TATA POWER COMPANY LIMITED
 JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT
 Report Generated on :

FROM: 01-Aug-23 12:00:03 AM
 01-Sep-23 10:00:00 AM

TO: 31-Aug-23 12:00:00 AM

Sheet 1 of 2

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	3325278976	57	3366266368	57	40987392	0
PML- GEN # 2 (Check)	6701592576	65	6788355584	65	86763008	0
PML- GEN # 3 (CHECK)	7666926592	169	7745677824	169	78751232	0
PML- GEN # 4 (CHECK)	14601836544	455	14678538240	455	76701696	0
PML- GEN # 5	10613052416	239	10691790848	239	78738432	0
Total Generation (PML)					361941760	
PML- GEN # 1 (G1B)	9761325056	373	9802322944	373	40997888	0
PML- GEN # 2 (G2B)	16498144256	497	16584461312	497	86317056	0
PML- GEN # 3 (G3B)	16802560000	566	16881173504	566	78613504	0
PML GEN # 4 (G4B)	5117827	62	82292080	62	77174253	0
PML GEN # 5 (G5B)	10605461504	1557	10684107776	1557	78646272	0
Total Generation (Alpha)					361748973	
EXPORT						
PML- LINE # 1	10207199232	215528	10252432384	215528	45233152	0
PML- LINE # 2	1453518705	1268	1498175944	1268	44657239	0
PML- LINE # 3	9482070016	107158	9525400576	107158	43303600	0
PML- LINE # 4	4435704320	57270	4477562880	57270	41858560	0
PML- LINE # 5	5832791040	11389196	5863326720	11400143	30535680	10947
PML- LINE # 6	2273745152	785	2296012288	785	22267136	0
PML- LINE # 7	1518970112	130523064	1535426944	130523064	16456832	0
PML- LINE # 8	1421789324	49050048	1438538752	49050048	16748928	0
PML- LINE # 9	3834064384	44	3873154304	44	39089920	0
Total 132 KV export					300178007	10947
PML- 33 KV ST1	3040613376	2824	3049816576	2824	9203200	0
PML- 33 KV ST2	2393634304	9122	2402597632	9122	8963328	0
PML- 33 KV ST3	312837872	221851	321037952	258769	8200080	36518
Total 33 KV export					26366608	36918
PML- 132 KV ST1	3236493312	683214	3246467840	683214	9974528	0
PML- 132 KV ST2	2523190528	1350151	2533264128	1350151	10073600	0
PML- 132 KV ST3	2211260928	2125563	2220164608	2138823	8903680	0
ST 132 KV total					28951808	0
PML- 6.6 KV C1 (T1C)	51791078	866	52776193	866	985115	0
PML- 6.6 KV C2 (T2C)	97323623	93946	98654560	93946	1330937	0
PML- 6.6 KV C5 (T3C)	74640623	186	75498995	186	858372	0
Total 6.6 KV station load					3174424	0
PML- 132 KV GT1 (G1A)	8614543360	8520	8651075584	8520	36532224	0
PML- 132 KV GT2 (G2A)	2440448165	41	2520800017	41	80351852	0
PML- 132 KV GT3 (G3A)	15399452672	2986	15471927296	2986	72474624	0
PML- 132 KV GT4 (G4A)	11293612032	18401	11363716096	18401	70104064	0
PML- 132 KV ICT1 (G5A)	7934385152	1297	8006325248	1297	71940096	0
Total GT export at 132 KV					331402860	0
PML - 6.6 KV C1 to U1A (TIE-U1) T1	4093449	37	4093449	37	0	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50506262	383338	50506262	383338	0	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	1047845	3415811	1047845	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	739789	9132807	739789	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3) T5	1112478	6167915	1112478	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	848646	1682341	848646	1682341	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	37892196	19099361	38124828	19099361	232632	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	48032865	15292082	48368662	15292082	335797	0
PML - 6.6 KV C1 to C8 (TIE U5) T9	1071012	227	1171708	227	100696	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	44733163	1045	45196489	1045	463326	0
PML - 6.6 KV C6 to U4A (TIE U3) T5	4369180	36	4369180	36	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4507556	75	4507556	75	0	0
PML - 6.6 KV U1A (Unit I/C U1)	69749317	26	71931393	26	2182076	0
PML - 6.6 KV U1B (Unit I/C U1)	92597561	115	94582386	115	1984825	0
PML - 6.6 KV U2A (Unit I/C U2)	28244913	46	31558831	46	3313918	0
PML - 6.6 KV U2B (Unit I/C U2)	39853485	112	42476196	112	2622711	0
PML - 6.6 KV U3A (Unit I/C U3)	88123312	28	91312534	28	3189222	0
PML - 6.6 KV U3B (Unit I/C U3)	70619649	0	73150878	0	2531229	0
PML - 6.6 KV U4A (Unit I/C U4)	44720819	55	47893491	55	3172672	0
PML - 6.6 KV U4B (Unit I/C U4)	12027836	0	15287760	0	3259924	0
PML - 6.6 KV U5A (Unit I/C U5)	5934066	0	8990178	0	3056112	0
PML - 6.6 KV U5B (Unit I/C U5)	5022765	0	8257014	0	3234249	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2970.69	0	2971.94	0	1250	0
Total consumption by unit bus from Station					564022	0
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-1250	
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1763329		1779102		15773000	
Cummins feeder at Cummins end	94858		97336		2478000	
Lafarge feeder at Lafarge end	299008.0576		307009.12		8001062	
132 KV line 9 and 5 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1816002	1834629	22352400	MF 1200000		
Lin # 9 SECURE METER Reading	3957.21	3996.56	39350000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	25282048	33.98	Generator # 4 reactive	40796328	54.83	
Generator # 2 reactive	21509632	28.91	Generator # 5 reactive	38201856	51.35	
Generator # 3 reactive	34359808	46.18				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	22241996	5	22518302	5	276306	0
Air Comp 1B (U1B Bus)	20513786	3	20609094	3	95308	0
Air Comp 2A (U2A Bus)	15808058	78921552	16065133	78921552	257075	0
Air Comp 2B (C3 Bus)	10538619	19276814	10869407	19276814	330788	0
Air Comp 2C (U3A Bus)	85599886	329	85873483	329	273597	0
Air Comp 4A (U 4A Bus)	27268223	0	27487541	0	219318	0
Air Comp 4B (U 4B Bus)	43493071	3	43984720	0	491649	0
Air Comp 5B (U5B Bus)	56345841	3727	56888837	3727	542996	0
			Total Comp Load		2487037	
CLPH unit # 1 Readings						
CLPH INC 1	16514.27	10	16677.01	10	162737	0
CLPH INC 2	11724.83	16	11820.02	16	95189	0
CT FAN BUS A SIDE	6801.70	16294	6881.90	16294	80201	0
CT FAN BUS B SIDE	6748.30	64	6829.50	64	81203	0
			Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)		96522	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-Aug-23 12:00:00 AM TO: 31-Aug-23 12:00:00 AM
Report Generated on: 01-Sep-23 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3175674	Total station to unit tie load	564022	2928928	< allocated load	
Total Compressor load on units	2156249	Total common load on CLPH bus for allocation	96522			
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	40997888	86317056	78613504	77174253	78646272	361748973
Unit Load	4412888	5980980	6143087	6892806	6706176	30135938
Compressor Load allocation	244373	514503	468585	460007	468781	2156249
CLPH load allocation	10939	23031	20976	20592	20984	96522
Corrected Unit Load	4200064	6261440	6359051	6662437	6652945	30135938
% Unit Consumption	10.24	7.25	8.09	8.69	8.46	8.33%
Allocated Station Load	331943	698873	636500	624847	636766	2928928
Station to unit consumption	0	0	0	0	226763	226763
Total station load for each unit	331943	698873	636500	624847	863529	3155691
% station load	0.81%	0.81%	0.81%	0.81%	1.10%	0.87%
Total Aux. consumed by unit	4532007	6960312	6995551	7287285	7516474	33291629
% of Aux. Consumption	11.05%	8.06%	8.90%	9.44%	9.56%	9.20%
Deemed PLF	100.00%	100.00%	100.00%	100.00%	100.00%	
P L F %	81.64%	96.68%	88.05%	86.44%	88.09%	88.81%

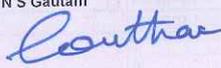
Tisco Representative

TPCL Representative

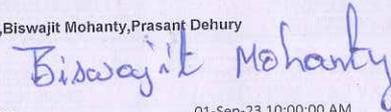
Name: Mr. C N S Gautam

Name: Mr. Chandrasekhar Singh, Biswajit Mohanty, Prasant Dehury

Signature



Signature



Date & Time

01-Sep-23 10:00:00 AM

Date & Time

01-Sep-23 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1, C2, C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

Head (Accounts)

Generation Details for the Month of September '23

1. GENERATION (MWH)		UNIT	ACTUAL	PLAN					
1a. Generation from Unit#1 (67.5 MW)		MWH	39022.60	36146.25					
1b. Generation from Unit#2 - Regulated Capacity (120 MW)		MWH	76952.58	83731.20					
1c. Generation from Unit#3 - Regulated Capacity (120 MW)		MWH	76065.79	84823.20					
1d. Generation from Unit#4 (120 MW)		MWH	80599.41	79682.40					
1e. Total Generation from Station (427.5 MW)		MWH	272640.38	284383.05					
2. RUNNING HOURS (HRS)			ACTUAL	PLAN					
2a. Running hours of Unit#1 (67.5 MW)		HOURS	720.0	714.0					
2b. Running hours of Unit#2 (120 MW)		HOURS	716.6	712.0					
2c. Running hours of Unit#3 (120 MW)		HOURS	720.0	714.0					
2d. Running hours of Unit#4 (120 MW)		HOURS	718.6	714.0					
3. GENERATION AVAILABILITY (%)		* Average Declared Capacity (MW)	Generation Availability (%)						
3a. Generation Availability of Unit#2 (%)		107.19	98.16%						
3b. Generation Availability of Unit#3 (%)		109.07	99.88%						
(Availability figures are for full month of 30 days)									
4. EXPORT METER READINGS (MWH)									
4a. Power Export through 132 KV Feeders		MWH	285366						
4b. Power Export through 33 KV Feeders		MWH	27607						
4c. Total Export		MWH	312973.47						
(Export meter readings are as per PML Meters)									
5. IMPORT METER READINGS (MWH)									
5a. Power Import		MWH	0.62						
6. AUX POWER CONSUMPTION & TRANSFORMER LOSSES (MWH)									
6a. Unit#1 Aux Power Consumption		MWH	4350.0						
6b. Unit#2 Aux Power Consumption		MWH	6772.7						
6c. Unit#3 Aux Power Consumption		MWH	5742.5						
6d. Unit#4 Aux Power Consumption		MWH	7461.3						
6e. Total Aux Power Consumption		MWH	25326.49	9.29					
(System Losses are included in units auxiliary power consumption)									
7. Ex-Bus Generation (MWH)									
7a. Ex-Bus Generation from Unit#2 - Regulated Capacity (120 MW)*		MWH	70179.90						
7b. Ex-Bus Generation from Unit#3 - Regulated Capacity (120 MW)*		MWH	69323.31						
8.a COAL RECEIPT, CONSUMPTION & STOCK (MT)		Unit	Opening Stock #	Receipt	Consumption			Closing Stock	
Item	Unit	Opening Stock #	Receipt	Unit#1	Unit#2	Unit#3	Unit #4	Total	Closing Stock
Middling Coal (2&3)	MT	11265.41	26393.05	0.00	12252.91	11323.17		23576.08	14082.38
Tailing (By Rake)(2&3)	MT	2313.47			147.46	126.32		273.78	2039.69
CCL(1&4) T4	MT	44636.06	3947.42	5206.63	0.00	0.00		5206.63	43376.85
ECL Shakti(2&3)	MT	0.00	3778.40	0.00	0.00	0.00		0.00	3778.40
ECL(1&4) T4	MT	7233.94	7766.42	10188.05	0.00	0.00		10188.05	4812.31
ECL(2&3) SFA	MT	0.00						0.00	0.00
NCL (1&4) T4	MT	15896.91	7846.96	10472.28	0.00	0.00		10472.28	13271.59
MCL Shakti(2&3)	MT	22312.28	10893.92	0.00	7627.70	8402.04		16029.74	17176.46
CCL Shakti(2&3) Round 2	MT	17775.14	15321.44	0.00	11247.37	13397.53		24644.90	8451.68
CCL Shakti(2&3) Round 3	MT	12532.07	38924.73	0.00	19585.41	19020.82		38606.23	12850.57
CCL Shakti(2&3) W-IV	MT	8343.79		0.00	5059.79	3284.00		8343.79	0.00
U4 MIDDLING		67673.79	19600.30				38070.00	38070.00	49204.09
U4 PRIVATE		28897.59					15983.00	15983.00	12914.59
Total Coal	MT	238880.45	134472.64	25866.96	55920.64	55553.88	54053.00	191394.48	181958.61
8.b LDO RECEIPT, CONSUMPTION & STOCK (KL)		Unit	Opening Stock	Receipt	Consumption			Closing Stock	
Item	Unit	Opening Stock	Receipt	Unit#1	Unit#2	Unit#3	Unit #4	Total	Closing Stock
LDO	KL	830.26	150.00	22.50	196.50	82.61	148.00	449.61	530.65
9a. Unit#1 Raw Water Consumption				M ³				93587	
9b. Unit#2 Raw Water Consumption				M ³				184553	
9c. Unit#3 Raw Water Consumption				M ³				182427	
9d. Unit#4 Raw Water Consumption				M ³				193299	
9f. Total Raw Water Consumption				M³				653866	
10. FLY ASH UTILISATION (MT) including IEL unit 5									
Nuvoco	MT	39482	Bricks	MT	0	Wet Disposal	MT	29381	
Dalmia+ Sri Cement	MT	1578	RMC	MT	6038	FA Generated	MT	76480	
Ash Bagging	MT	0	DFA Utilized	MT	47099	Fly Ash Utilized	MT	76480	
Pond Ash Generated	MT	48501	Pond Ash Utilized	MT	39732	Fly Ash Utilization	%	100%	
				Pond 1	Pond 2				
Total capacity	MT			500364	373059				
Total ash in pond in last month	MT			277764	228666				
Total Ash Sent to Jemco Pond	MT			14539	33962				
Cleaned during this month (dry & slag free)	MT			39349	383				
Ash Shifting to Low Lying area (With wet & moisture)	MT								
Ash Shifting to ISWP Site (With wet & moisture)	MT			48248	470				
Total Cleaned during this month (With wet & moisture)	MT			48248	470				
Total ash in pond after cleaning	MT			252954	262245				
% of ash in pond	%			51%	70%	Considering full load & total ash sent to pond at the rate of 3470 MT/Day.			

Note: The plan figures of generation and running hours are as per ABP figures.
Ex-Bus Generation of Regulated capacity of Units 2 & 3 has been considered with Actual Aux Power.
LDO Opening Stock indicates Tata Power Stock only.
Fly Ash Utilization data is inclusive of Unit 5.

Abhishek Bose
(Group Head -MIS, Perf & Efficiency)

Basudev Hansdah
(Chief O&M)

Jagmit Singh Sidhu
(CEO - IEL & Chief -Jamshedpur Operations)

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 1 of 2

MONTHLY GENERATION REPORT

FROM: 01-Sep-23 12:00:00 AM

TO: 30-Sep-23 12:00:00 AM

Report Generated on :

01-Oct-23 10:00:00 AM

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	3366266368	57	3405279488	57	39013120	0
PML- GEN # 2 (Check)	6788355584	65	6865639424	67	77283840	2
PML- GEN # 3 (CHECK)	7745677824	169	7821877760	169	76199936	0
PML- GEN # 4 (CHECK)	14678538240	455	14758650880	457	80112640	2
PML- GEN # 5	10691790848	239	10766672896	239	74882048	0
Total Generation (PML)					347491584	
PML- GEN # 1 (G1B)	9802318839	373	9841341440	373	39022601	0
PML- GEN # 2 (G2B)	16584461312	497	16661413888	499	76952576	2
PML- GEN # 3 (G3B)	16881173504	566	16957239296	566	76065792	0
PML GEN # 4 (G4B)	82292080	62	162891488	65	80599408	3
PML GEN # 5 (G5B)	10684107776	1557	10758901760	1557	74793984	0
Total Generation (Alpha)					347434361	
EXPORT						
PML- LINE # 1	10252432384	215528	10296454144	215528	44021760	0
PML- LINE # 2	1497635236	1268	1541066471	1268	43431235	0
PML- LINE # 3	9525400576	107158	9567699968	107158	42299392	0
PML- LINE # 4	4477562880	57270	4516912128	57270	39349248	0
PML- LINE # 5	5863326720	11400143	5893417472	11400554	30090752	411
PML- LINE # 6	2296012288	785	2318173952	785	22161664	0
PML- LINE # 7	1535426944	130523224	1548215424	130523224	12788480	0
PML- LINE # 8	1438538752	49050100	1451592576	49050100	13053824	0
PML- LINE # 9	3873154304	44	3911324160	44	38169856	0
Total 132 KV export					285366211	411
PML- 33 KV ST1	3049816576	2824	3061999872	2824	12183296	0
PML- 33 KV ST2	2402597632	9122	2414434048	9122	11836416	0
PML- 33 KV ST3	321037952	258769	324625497	282399	3587545	23630
Total 33 KV export					27607257	23630
PML- 132 kv ST1	3246467840	683214	3259425280	683214	12957440	0
PML- 132 kv ST2	2533264128	1350151	2546094848	1350151	12830720	0
PML- 132 kv ST3	2220164608	2138823	2224536832	2145378	4372224	0
ST 132 KV total					30160384	0
PML- 6.6 kV C1 (T1C)	52776193	866	53806347	866	1030154	0
PML- 6.6 kV C2 (T2C)	98654560	93946	99090955	93946	1254495	0
PML- 6.6 kV C5 (T3C)	75498995	186	76477272	186	978277	0
Total 6.6 KV station load					3262926	0
PML- 132 kv GT1 (G1A)	8651075584	8520	8685859840	8520	34784256	0
PML- 132 kv GT2 (G2A)	2520800017	41	2591923268	54	71123251	13
PML- 132 kv GT3 (G3A)	15471927296	2986	15542140928	2986	70213632	0
PML- 132 kv GT4 (G4A)	11363716096	18401	11437002752	18418	73286656	17
PML- 132 kv ICT1 (G5A)	8006325248	1297	8074667520	1297	68342272	0
Total GT export at 132 KV					317750067	30
PML - 6.6 KV C1 to U1A (TIE-U1) T1	4093449	37	4093449	37	0	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50506262	383338	50506262	383338	0	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	1047845	3415811	1058741	3415811	10896	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	739789	9132807	747227	9132807	7438	0
PML - 6.6 KV C3 to U3A (TIE U3)T5	1112478	6167915	1112478	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	848646	1682341	848646	1682341	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	38124828	19099361	38279896	19099361	155068	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	48368662	15292082	49030704	15292082	662042	0
PML - 6.6 KV C1to C8 (TIE U5) T9	1171708	227	1284266	227	112548	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	45196489	1045	45456887	1045	260398	0
PML - 6.6 KV C6 to U4A (TIE U3)T5	4369180	36	4375251	36	6071	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4507556	75	4512793	75	5237	0
PML - 6.6 KV U1A (Unit I/C U1)	71931393	26	73908922	26	1977529	0
PML - 6.6 KV U1B (Unit I/C U1)	94582386	115	96549728	115	1967342	0
PML - 6.6 KV U2A (Unit I/C U2)	31558831	46	34623065	46	3064234	0
PML - 6.6 KV U2B (Unit I/C U2)	42476196	112	44990159	112	2513963	0
PML - 6.6 KV U3A (Unit I/C U3)	91312534	28	94175985	28	2863451	0
PML - 6.6 KV U3B (Unit I/C U3)	73150878	0	75724637	0	2573759	0
PML - 6.6 KV U4A (Unit I/C U4)	47893491	55	51423847	55	3530356	0
PML - 6.6 KV U4B (Unit I/C U4)	15287760	0	18316407	0	3028647	0
PML - 6.6 KV U5A (Unit I/C U5)	8990178	0	1847341	0	2857163	0
PML - 6.6 KV U5B (Unit I/C U5)	8257014	0	1504392	0	3247378	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2971.94	0	2973.17	0	1230	0
Total consumption by unit bus from Station					402588	0
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-1230	
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1779102		1794100		14998000	
Cummins feeder at Cummins end	97336		99595		2259000	
Lafarge feeder at Lafarge end	307009.12		317803.9929		10794873	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1834629	1853055	22111200	MF 1200000		
Lin # 9 SECURE METER Reading	3996.56	4035	38440000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	24837632	34.50	Generator # 4 reactive	38201264	53.06	
Generator # 2 reactive	21083136	29.28	Generator # 5 reactive	36585472	50.81	
Generator # 3 reactive	33515008	46.55				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	22518302	5	22618441	5	100139	0
Air Comp 1B (U1B Bus)	20609094	3	20822079	3	212985	0
Air Comp 2A (U2A Bus)	16065133	78921552	16286278	78921552	221145	0
Air Comp 2B (C3 Bus)	10869407	19276814	11283006	19276814	413599	0
Air Comp 2C (U3A Bus)	85873483	329	86122732	329	249249	0
Air Comp 4A (U 4A Bus)	27487541	0	27824940	0	337399	0
Air Comp 4B (U 4B Bus)	43984720	0	44437452	0	452732	0
Air Comp 5B (U5B Bus)	56888837	3727	57381914	3727	493077	0
Total Comp Load					2480325	
CLPH unit # 1 Readings						
CLPH INC 1	16677.01	10	16856.01	10	179000	0
CLPH INC 2	11820.02	16	11891.02	16	71004	0
CT FAN BUS A SIDE	6881.90	16294	6957.80	16294	75900	0
CT FAN BUS B SIDE	6829.50	64	6906.50	64	77000	0
Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)					97104	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-Sep-23 12:00:00 AM TO: 30-Sep-23 12:00:00 AM
Report Generated on: 01-Oct-23 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3264156	Total station to unit tie load	402588	3010999	< allocated load	
Total Compressor load on units	2066726	Total common load on CLPH bus for allocation	97104			
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	39022601	76952576	76065792	80599408	74793984	347434361
Unit Load	4179007	5829325	5858774	7039679	6451712	29358496
Compressor Load allocation	232127	457755	452480	479449	444915	2066726
CLPH load allocation	10906	21507	21260	22527	20904	97104
Corrected Unit Load	4011812	6087443	6083265	6751523	6424454	29358496
% Unit Consumption	10.28	7.91	8.00	8.43	8.59	8.45%
Allocated Station Load	338185	666900	659215	698505	648193	3010999
Station to unit consumption	0	18334	0	11308	216901	246543
Total station load for each unit	338185	685234	659215	709813	865094	3257542
% station load	0.87%	0.89%	0.87%	0.88%	1.18%	0.94%
Total Aux. consumed by unit	4349997	6772677	6742480	7461336	7289548	32616038
% of Aux. Consumption	11.15%	8.80%	8.86%	9.26%	9.75%	9.39%
Deemed PLF	100.00%	99.52%	100.00%	99.80%	100.00%	
P L F %	80.29%	89.07%	88.04%	93.29%	86.57%	88.14%

Tisco Representative

TPCL Representative

Name: Mr. C N S Gautam

Name: Mr.Chandrasekhar Singh,Biswajit Mohanty,Prasant Dehury

Signature

Signature

Date & Time

01-Oct-23 10:00:00 AM

Date & Time

01-Oct-23 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1,C2,C5 i.e. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

Head (Accounts)

Generation Details for the Month of October'23

1. GENERATION (MWH)				UNIT	ACTUAL	PLAN		
1a. Generation from Unit#1 (67.5 MW)				MWH	38525.95	37212.75		
1b. Generation from Unit#2 - Regulated Capacity (120 MW)				MWH	62934.02	86788.80		
1c. Generation from Unit#3 - Regulated Capacity (120 MW)				MWH	77075.46	87674.40		
1d. Generation from Unit#4 (120 MW)				MWH	79937.18	79920.00		
1e. Total Generation from Station (427.5 MW)				MWH	258472.61	291595.95		
2. RUNNING HOURS (HRS)				UNIT	ACTUAL	PLAN		
2a. Running hours of Unit#1 (67.5 MW)				HOURS	734.4	740.0		
2b. Running hours of Unit#2 (120 MW)				HOURS	744.0	738.0		
2c. Running hours of Unit#3 (120 MW)				HOURS	744.0	738.0		
2d. Running hours of Unit#4 (120 MW)				HOURS	741.6	740.0		
3. GENERATION AVAILABILITY (%)				* Average Declared Capacity (MW)	Generation Availability (%)			
3a. Generation Availability of Unit#2 (%)				108.28	99.16%			
3b. Generation Availability of Unit#3 (%)				107.39	98.34%			
(Availability figures are for full month of 31 days)								
4. EXPORT METER READINGS (MWH)				UNIT	ACTUAL	PLAN		
4a. Power Export through 132 KV Feeders				MWH		284898		
4b. Power Export through 33 KV Feeders				MWH		17785		
4c. Total Export				MWH		302682.58		
(Export meter readings are as per PML Meters)								
5. IMPORT METER READINGS (MWH)				UNIT	ACTUAL	PLAN		
5a. Power Import				MWH		0.00		
6. AUX POWER CONSUMPTION & TRANSFORMER LOSSES (MWH)				UNIT	ACTUAL	PLAN		
6a. Unit#1 Aux Power Consumption				MWH		4372.5		
6b. Unit#2 Aux Power Consumption				MWH		6049.5		
6c. Unit#3 Aux Power Consumption				MWH		6777.5		
6d. Unit#4 Aux Power Consumption				MWH		7497.5		
6e. Total Aux Power Consumption				MWH	24697.08	9.56		
(System Losses are included in units auxiliary power consumption)								
7. Ex Bus Generation (MWH)				UNIT	ACTUAL	PLAN		
7a. Ex-Bus Generation from Unit#2 - Regulated Capacity (120 MW)*				MWH		56884.47		
7b. Ex-Bus Generation from Unit#3 - Regulated Capacity (120 MW)*				MWH		70297.99		
8.a COAL RECEIPT, CONSUMPTION & STOCK (MT)				UNIT	ACTUAL	PLAN		
Item	Unit	Opening Stock *	Receipt	Consumption				Closing Stock
				Unit#1	Unit#2	Unit#3	Unit #4	Total
Middling Coal (2&3)	MT	14082.38	4016.46	0.00	5003.00	6175.00		11178.00
Tailing (By Rake)(2&3)	MT	2039.69	1839.26		514.00	1461.00		1975.00
CCL(1&4) T4	MT	43376.85		6193.00	0.00	0.00		6193.00
ECL Shakti(2&3)	MT	3778.40	11791.62	0.00	4400.00	6842.00		11242.00
ECL(1&4) T4	MT	4812.31	11571.44	10065.00	0.00	0.00		10065.00
NCL (1&4) T4	MT	13271.59	4013.48	9246.00	0.00	0.00		9246.00
MCL Shakti(2&3)	MT	17176.46	23128.66	0.00	3983.00	5456.00		9439.00
CCL Shakti(2&3) Round 2	MT	8451.68	26690.19	0.00	15967.00	17069.27		33036.27
CCL Shakti(2&3) Round 3	MT	12850.57	19559.16	0.00	15115.00	17294.73		32409.73
U4 MIDDLING		49204.09	31365.32				41968.41	41968.41
U4 PRIVATE		12914.59					12914.59	12914.59
Total Coal	MT	181958.61	133975.59	25504.00	44982.00	54298.00	54883.00	179667.00
								136267.20
8.b LDO RECEIPT, CONSUMPTION & STOCK (KL)				UNIT	ACTUAL	PLAN		
Item	Unit	Opening Stock	Receipt	Consumption				Closing Stock
				Unit#1	Unit#2	Unit#3	Unit #4	Total
LDO	KL	530.65	250.00	51.00	35.00	33.50	138.99	258.49
								522.16
9. RAW WATER CONSUMPTION (M ³)				UNIT	ACTUAL	PLAN		
9a. Unit#1 Raw Water Consumption				M ³		86182		
9b. Unit#2 Raw Water Consumption				M ³		140782		
9c. Unit#3 Raw Water Consumption				M ³		172416		
9d. Unit#4 Raw Water Consumption				M ³		178818		
9f. Total Raw Water Consumption				M³		578198		
10. FLY ASH UTILISATION (MT) including IEL unit 5				UNIT	ACTUAL	PLAN		
Nuvoco	MT	22412	Bricks	MT	0	Wet Disposal	MT	43657
Dalmia + Sri Cement	MT	158	RMC	MT	7279	FA Generated	MT	73506
Ash Bagging	MT	0	DFA Utilized	MT	29849	Fly Ash Utilized	MT	73506
Pond Ash Generated	MT	62033	Pond Ash Utilized	MT	52677	Fly Ash Utilization	%	100%
				Pond 1	Pond 2			
Total capacity	MT			500364	373059			
Total ash in pond in last month	MT			252954	262245			
Total Ash Sent to Jemco Pond	MT			37860	24173			
Cleaned during this month (dry & slag free)	MT			11452	41225			
Ash Shifting to Low Lying area (With wet & moisture)	MT							
Ash Shifting to ISWP Site (With wet & moisture)	MT			14041	50548			
Total Cleaned during this month (With wet & moisture)	MT			14041	50548			
Total ash in pond after cleaning	MT			279362	245193			
% of ash in pond	%			56%	66%			Considering full load & total ash sent to pond at the rate of 3470 MT/Day.

Note: The plan figures of generation and running hours are as per ABP figures.
Ex- Bus Generation of Regulated capacity of Units 2 & 3 has been considered with Actual Aux Power.
LDO Opening Stock indicates Tata Power Stock only.
Fly Ash Utilization data is inclusive of Unit 5.

Abhishek Bose
(Group Head -MIS, Perf & Efficiency)

Basudev Hansda
(Chief O&M)

Jagmit Singh Sidhu
(CEO - IEL & Chief -Jamshedpur Operations)

TATA POWER COMPANY LIMITED
 JOJOBERA POWER PLANT

Sheet 1 of 2

MONTHLY GENERATION REPORT
 Report Generated on :

FROM: 01-010-2023 00:00:00
 01-Nov-23 10:00:00 AM

TO: 31-Oct-23 12:00:00 AM

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	3405279488	57	3443786752	57	38507264	0
PML- GEN # 2 (Check)	6865639424	67	6928804864	67	63165440	0
PML- GEN # 3 (CHECK)	7821877760	169	7899086848	169	77209088	0
PML- GEN # 4 (CHECK)	14758650880	457	14838108160	457	79457280	0
PML- GEN # 5	10766672896	239	10845001728	239	78328832	0
Total Generation (PML)					336667904	
PML- GEN # 1 (G1B)	9841341440	373	9879867392	373	38525952	0
PML- GEN # 2 (G2B)	16661413888	499	16724347904	499	62934016	0
PML- GEN # 3 (G3B)	16957239296	566	17034314752	566	77075456	0
PML GEN # 4 (G4B)	162891488	65	242828672	65	79937184	0
PML GEN # 5 (G5B)	10758901760	1557	10837138432	1557	78236672	0
Total Generation (Alpha)					336709280	
EXPORT						
PML- LINE # 1	10296454144	215528	10339894272	215528	43440128	0
PML- LINE # 2	1541066471	1268	1584109727	1268	43043256	0
PML- LINE # 3	9567699968	107158	9609472000	107158	41772032	0
PML- LINE # 4	4516912128	57270	4558004736	57270	41092608	0
PML- LINE # 5	5893417472	11400554	5927270912	11400554	33853440	0
PML- LINE # 6	2318173952	785	2338255360	785	20081408	0
PML- LINE # 7	1548215424	130523224	1560524672	130523224	12309248	0
PML- LINE # 8	1451592576	49050100	1464170752	49050100	12578176	0
PML- LINE # 9	3911324160	44	3948051456	44	36727296	0
Total 132 KV export					284897592	
PML- 33 kV ST1	3061999872	2824	3070780160	2824	8780288	0
PML- 33 kV ST2	2414434048	9122	2423015680	9122	8581632	0
PML- 33 kV ST3	324625497	282399	325048563	553563	423066	271164
Total 33 KV export					17784986	271164
PML- 132 kV ST1	3259425280	683214	3268973568	683214	9548288	0
PML- 132 kV ST2	2546094848	1350151	2555875840	1350151	9780992	0
PML- 132 kV ST3	2224536832	2145378	2225470208	2272187	933376	126809
ST 132 KV total					20262656	126809
PML- 6.6 kV C1 (T1C)	53806347	866	54781276	866	974929	0
PML- 6.6 kV C2 (T2C)	99909055	93946	1326228	93946	1417173	0
PML- 6.6 kV C5 (T3C)	76477272	186	77300117	186	822845	0
Total 6.6 KV station load					3214947	0
PML- 132 kV GT1 (G1A)	8685859840	8520	8720152576	8520	34292736	0
PML- 132 kV GT2 (G2A)	2591923268	54	2649446262	54	57522994	0
PML- 132 kV GT3 (G3A)	15542140928	2986	15613301760	2986	71160832	0
PML- 132 kV GT4 (G4A)	11437002752	18418	11509810176	18418	72807424	0
PML- 132 kV ICT1 (G5A)	8074667520	1297	8146151936	1297	71484416	0
Total GT export at 132 KV					307268402	0
PML - 6.6 KV C1 to U1A (TIE-U1) T1	4093449	37	4106483	37	13034	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50506262	383338	50526294	383338	20032	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	1058741	3415811	1058741	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	747227	9132807	747227	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3) T5	1112478	6167915	1112478	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	848646	1682341	848646	1682341	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	38279896	19099361	38574614	19099361	294718	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	49030704	15292082	49655625	15292082	624921	0
PML - 6.6 KV C1to C8 (TIE U5) T9	1284256	227	1393568	227	109312	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	45456887	1045	45594713	1045	137826	0
PML - 6.6 KV C6 to U4A (TIE U3)T5	4375251	36	4383523	36	8772	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4512793	75	4521931	75	9138	0
PML - 6.6 KV U1A (Unit I/C U1)	73908922	26	75623430	26	1714508	0
PML - 6.6 KV U1B (Unit I/C U1)	96549728	115	98806526	115	2256798	0
PML - 6.6 KV U2A (Unit I/C U2)	34623065	46	37742262	46	3119197	0
PML - 6.6 KV U2B (Unit I/C U2)	44990159	112	46970107	112	1979948	0
PML - 6.6 KV U3A (Unit I/C U3)	94175985	28	97273396	28	3097411	0
PML - 6.6 KV U3B (Unit I/C U3)	75724637	0	78168881	0	2444244	0
PML - 6.6 KV U4A (Unit I/C U4)	51423847	55	54883507	55	3459660	0
PML - 6.6 KV U4B (Unit I/C U4)	18316407	0	21213928	0	2897521	0
PML - 6.6 KV U5A (Unit I/C U5)	1847341	0	4911455	0	3064114	0
PML - 6.6 KV U5B (Unit I/C U5)	1504392	0	4788337	0	3283945	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2973.17	0	2974.59	0	1420	0
Total consumption by unit bus from Station					297614	0
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-1420	
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1794100		1809192		15092000	
Cummins feeder at Cummins end	99595		101833		2238000	
Lafarge feeder at Lafarge end	317803.9929		318251.97		447977	
132 KV line 9 and 5 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1853055	1869833	20133600	MF 1200000		
Lin # 9 SECURE METER Reading	4035	4071.96	36960000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	22195712	29.83	Generator # 4 reactive	39105904	52.56	
Generator # 2 reactive	19600384	26.34	Generator # 5 reactive	36658176	49.27	
Generator # 3 reactive	30459904	40.94				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	22618441	5	22808084	5	189643	0
Air Comp 1B (U1B Bus)	20822079	3	20988996	3	166917	0
Air Comp 2A (U2A Bus)	16286278	78921552	16618740	78921552	332462	0
Air Comp 2B (C3 Bus)	11283006	19276814	11667205	19276814	384199	0
Air Comp 2C (U3A Bus)	86122732	329	86449043	329	326311	0
Air Comp 4A (U 4A Bus)	27824940	0	28092115	0	267175	0
Air Comp 4B (U 4B Bus)	44437452	0	44757338	0	319886	0
Air Comp 5B (U5B Bus)	57381914	3727	57922683	3727	540769	0
			Total Comp Load		2527362	
CLPH unit # 1 Readings						
CLPH INC 1	16856.01	10	16971.01	10	115000	0
CLPH INC 2	11891.02	16	12026.02	16	134996	0
CT FAN BUS A SIDE	6957.80	16294	7025.90	16294	68100	0
CT FAN BUS B SIDE	6906.50	64	6987.60	64	81100	0
			Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)		100796	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-010-2023 00:00:00 TO: 31-Oct-23 12:00:00 AM
Report Generated on: 01-Nov-23 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3216367	Total station to unit tie load	297614	2953724	allocated load	
Total Compressor load on units	2143163	Total common load on CLPH bus for allocation		100796		
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	38525952	62934016	77075456	79937184	78236672	336709280
Unit Load	4202462	5411071	5914673	6833925	6752256	29114386
Compressor Load allocation	245219	400577	490587	508802	497978	2143163
CLPH load allocation	11533	18840	23073	23930	23421	100796
Corrected Unit Load	4001857	5498025	6102022	6779596	6732886	29114386
% Unit Consumption	10.39	8.74	7.92	8.53	8.61	8.65%
Allocated Station Load	337619	551517	675444	700523	685621	2950724
Station to unit consumption	33066	0	0	17410	215069	265545
Total station load for each unit	370685	551517	675444	717933	900690	3216269
% station load	0.96%	0.88%	0.88%	0.90%	1.15%	0.96%
Total Aux. consumed by unit	4372542	6049542	6777467	7497528	7633576	32330655
% of Aux. Consumption	11.35%	9.61%	8.79%	9.38%	9.76%	9.60%
Deemed PLF	98.71%	100.00%	100.00%	99.67%	100.00%	
PLF %	76.71%	70.49%	86.33%	89.54%	87.63%	82.66%

Tisco Representative

TPCL Representative

Name: Mr. C N S Gautam

Name: Mr. Chandrasekhar Singh, Biswajit Mohanty, Prasant Dehury

Signature

Signature

Date & Time

01-Nov-23 10:00:00 AM

Date & Time

01-Nov-23 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT 2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1, C2, C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

Head (Accounts)

Generation Details for the Month of November '23

1. GENERATION (MWH)		UNIT	ACTUAL	PLAN					
1a. Generation from Unit#1 (67.5 MW)		MWH	38835.20	36045.00					
1b. Generation from Unit#2 - Regulated Capacity (120 MW)		MWH	64789.50	63590.40					
1c. Generation from Unit#3 - Regulated Capacity (120 MW)		MWH	70193.15	84394.80					
1d. Generation from Unit#4 (120 MW)		MWH	77490.37	81396.00					
1e. Total Generation from Station (427.5 MW)		MWH	251308.22	265426.20					
2. RUNNING HOURS (HRS)			ACTUAL	PLAN					
2a. Running hours of Unit#1 (67.5 MW)		HOURS	720.0	712.0					
2b. Running hours of Unit#2 (120 MW)		HOURS	720.0	552.0					
2c. Running hours of Unit#3 (120 MW)		HOURS	720.0	714.0					
2d. Running hours of Unit#4 (120 MW)		HOURS	720.0	714.0					
3. GENERATION AVAILABILITY (%)		* Average Declared Capacity (MW)	Generation Availability (%)						
3a. Generation Availability of Unit#2 (%)		108.25	99.13%						
3b. Generation Availability of Unit#3 (%)		109.14	99.95%						
(Availability figures are for full month of 30 days)									
4. EXPORT METER READINGS (MWH)									
4a. Power Export through 132 KV Feeders		MWH		274374					
4b. Power Export through 33 KV Feeders		MWH		15840					
4c. Total Export		MWH		290213.70					
(Export meter readings are as per PML Meters)									
5. IMPORT METER READINGS (MWH)									
5a. Power Import		MWH		0.00					
6. AUX POWER CONSUMPTION & TRANSFORMER LOSSES (MWH)									
6a. Unit#1 Aux Power Consumption		MWH		4316.8					
6b. Unit#2 Aux Power Consumption		MWH		6007.6					
6c. Unit#3 Aux Power Consumption		MWH		6176.8					
6d. Unit#4 Aux Power Consumption		MWH		7163.6					
6e. Total Aux Power Consumption		MWH	23664.76	9.42					
(System Losses are included in units auxiliary power consumption)									
7. Ex Bus Generation (MWH)									
7a. Ex-Bus Generation from Unit#2 - Regulated Capacity (120 MW)*		MWH		58781.93					
7b. Ex-Bus Generation from Unit#3 - Regulated Capacity (120 MW)*		MWH		64016.33					
8.a COAL RECEIPT, CONSUMPTION & STOCK (MT)		Unit	Opening Stock *	Receipt	Consumption			Closing Stock	
Item	Unit	Opening Stock *	Receipt	Unit#1	Unit#2	Unit#3	Unit #4	Total	Closing Stock
Middling Coal (2&3)	MT	6920.84		0.00	1768.00	5152.84		6920.84	0.00
Tailing (By Rake)(2&3)	MT	1903.95	7759.92		7.00	2914.00		2921.00	6742.87
CCL(1&4) T4	MT	37183.85		8157.93	0.00	0.00		8157.93	29025.92
ECL Shakti(2&3)	MT	4328.02	7801.55	0.00	10447.02	629.00		11076.02	1053.55
ECL(1&4) T4	MT	6318.75	7444.16	9852.00	0.00	0.00		9852.00	3910.91
NCL (1&4) T4	MT	8039.07		8039.07	0.00	0.00		8039.07	0.00
MCL Shakti(2&3)	MT	30866.12	15625.94	0.00	8020.98	18103.41		26124.39	20367.67
CCL Shakti(2&3) Round 2	MT	2105.60	44.32	0.00	1259.92	890.00		2149.92	0.00
CCL Shakti(2&3) Round 3	MT	0.00	62663.48	0.00	22730.08	25202.75		47932.83	14730.65
U4 MIDDLING		38601.00	51267.80				49242.00	49242.00	40626.80
Total Coal	MT	136267.20	152607.17	26049.00	44233.00	52892.00	49242.00	172416.00	116458.37
8.b LDO RECEIPT, CONSUMPTION & STOCK (KL)		Unit	Opening Stock	Receipt	Consumption			Closing Stock	
Item	Unit <td>Opening Stock <td>Receipt</td> <td>Unit#1</td> <td>Unit#2</td> <td>Unit#3</td> <td>Unit #4</td> <td>Total</td> <td>Closing Stock</td> </td>	Opening Stock <td>Receipt</td> <td>Unit#1</td> <td>Unit#2</td> <td>Unit#3</td> <td>Unit #4</td> <td>Total</td> <td>Closing Stock</td>	Receipt	Unit#1	Unit#2	Unit#3	Unit #4	Total	Closing Stock
LDO	KL	522.16	200.00	8.00	3.00	5.83		19.83	702.34
9. RAW WATER CONSUMPTION (M ³)									
9a. Unit#1 Raw Water Consumption				M ³				91835	
9b. Unit#2 Raw Water Consumption				M ³				153209	
9c. Unit#3 Raw Water Consumption				M ³				165988	
9d. Unit#4 Raw Water Consumption				M ³				183244	
9f. Total Raw Water Consumption				M³				594275	
10. FLY ASH UTILISATION (MT) including IEL unit 5									
Nuvoco	MT	33230	Bricks	MT	0	Wet Disposal	MT	29108	
Dalmia+ Sri Cement	MT	0	RMC	MT	7059	FA Generated	MT	69397	
Ash Bagging	MT	0	DFA Utilized	MT	40289	Fly Ash Utilized	MT	69397	
Pond Ash Generated	MT	46457	Pond Ash Utilized	MT	57465	Fly Ash Utilization	%	100%	
				Pond 1	Pond 2				
Total capacity	MT			500364	373059				
Total ash in pond in last month	MT			279362	245193				
Total Ash Sent to Jemco Pond	MT			33900	12557				
Cleaned during this month (dry & slag free)	MT			28155	29311				
Ash Shifting to Low Lying area (With wet & moisture)	MT								
Ash Shifting to ISWP Site (With wet & moisture)	MT			34522	35939				
Total Cleaned during this month (With wet & moisture)	MT			34522	35939				
Total ash in pond after cleaning	MT			285107	228440				
% of ash in pond	%			57%	61%	Considering full load & total ash sent to pond at the rate of 3470 MT/Day.			

Note: The plan figures of generation and running hours are as per ABP figures.
Ex- Bus Generation of Regulated capacity of Units 2 & 3 has been considered with Actual Aux Power.
LDO Opening Stock indicates Tata Power Stock only.
Fly Ash Utilization data is inclusive of Unit 5.

Abhishek Bose
(Group Head -MIS, Perf & Efficiency)

Basudev Hansdah
(Chief O&M)

Jagmit Singh Sidhu
(CEO - IEL & Chief -Jamshedpur Operations)

TATA POWER COMPANY LIMITED
 JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT
 Report Generated on :

FROM: 01-011-2023 00:00:00
 01-Dec-23 10:00:00 AM

TO: 30-Nov-23 12:00:00 AM

Sheet 1 of 2

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	3443786752	58	3482600448	58	38813696	0
PML- GEN # 2 (Check)	6928804864	67	6993822208	67	65017344	0
PML- GEN # 3 (CHECK)	7899086848	169	7969409536	169	70322688	0
PML- GEN # 4 (CHECK)	14838108160	459	14915110912	459	77002752	0
PML- GEN # 5	10846001728	239	10916191232	239	71189504	0
Total Generation (PML)					322345984	
PML- GEN # 1 (G1B)	9879867392	374	9918702592	374	38835200	0
PML- GEN # 2 (G2B)	16724347904	499	16789137408	499	64789504	0
PML- GEN # 3 (G3B)	17034314752	566	17104507904	566	70193152	0
PML GEN # 4 (G4B)	242828672	67	320319040	67	77490368	0
PML GEN # 5 (G5B)	10837138432	1557	10908242944	1557	71104512	0
Total Generation (Alpha)					322412736	
EXPORT						
PML- LINE # 1	10339894272	215528	10384141312	215528	44247040	0
PML- LINE # 2	1584109727	1268	1627875252	1268	43765525	0
PML- LINE # 3	9609472000	107158	9651929088	107158	42457088	0
PML- LINE # 4	4563004736	57270	4599276032	57270	41271296	0
PML- LINE # 5	5927270912	11400554	5954097664	11400554	26826752	0
PML- LINE # 6	2338255360	785	2354842880	785	16587520	0
PML- LINE # 7	1560524672	130523224	1571209088	130523224	10684416	0
PML- LINE # 8	1464170752	49050100	1475106816	49050100	10936064	0
PML- LINE # 9	3948051456	44	3985649408	44	37597952	0
Total 132 KV export					274373653	
PML- 33 KV ST1	3070780160	2824	3078456064	2824	7675904	0
PML- 33 KV ST2	2423015680	9122	2430510336	9122	7494656	0
PML- 33 KV ST3	325048563	553563	325718046	680081	669483	126518
Total 33 KV export					15840043	126518
PML- 132 KV ST1	3268973568	683214	3277418496	683214	8444928	0
PML- 132 KV ST2	2555875840	1350151	2564467712	1350151	8591872	0
PML- 132 KV ST3	2225470208	2272187	2226689024	2318050	1218816	45863
ST 132 KV total					18255616	45863
PML- 6.6 KV C1 (T1C)	54781276	866	55728344	866	947068	0
PML- 6.6 KV C2 (T2C)	1326228	93946	2614067	93946	1287839	0
PML- 6.6 KV C5 (T3C)	77300117	186	78091101	186	790984	0
Total 6.6 KV station load					3025891	
PML- 132 KV GT1 (G1A)	8720152576	8540	8754875392	8540	34722816	0
PML- 132 KV GT2 (G2A)	2649446262	54	2708745708	54	59299446	0
PML- 132 KV GT3 (G3A)	15613301760	2986	15678069760	2986	64768000	0
PML- 132 KV GT4 (G4A)	11509810176	18422	11580627968	18422	70817792	0
PML- 132 KV ICT1 (G5A)	8146151936	1297	8211168768	1297	65016832	0
Total GT export at 132 KV					294624886	
PML - 6.6 KV C1 to U1A (TIE-U1) T1	4106483	37	4106483	37	0	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50526294	383338	50526294	383338	0	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	1058741	3415811	1058741	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	747227	9132807	747227	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3) T5	1112478	6167915	1112478	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	848646	1682341	848646	1682341	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	38574614	19099361	38933542	19099361	358928	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	49655625	15292082	50186564	15292082	530939	0
PML - 6.6 KV C1 to C8 (TIE U5) T9	1393568	227	1559808	227	166240	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	45594713	1045	45794398	1045	199685	0
PML - 6.6 KV C6 to U4A (TIE U3) T5	4383523	36	4383523	36	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4521931	75	4521931	75	0	0
PML - 6.6 KV U1A (Unit I/C U1)	75623430	26	77517787	26	1894357	0
PML - 6.6 KV U1B (Unit I/C U1)	98806526	115	743363	115	1936837	0
PML - 6.6 KV U2A (Unit I/C U2)	37742262	46	40913663	46	3171401	0
PML - 6.6 KV U2B (Unit I/C U2)	46970107	112	48952798	112	1982691	0
PML - 6.6 KV U3A (Unit I/C U3)	97273396	28	121267	28	2847871	0
PML - 6.6 KV U3B (Unit I/C U3)	78168881	0	80571199	0	2402318	0
PML - 6.6 KV U4A (Unit I/C U4)	54883507	55	58178524	55	3295017	0
PML - 6.6 KV U4B (Unit I/C U4)	21213928	0	23901552	0	2687624	0
PML - 6.6 KV U5A (Unit I/C U5)	4911455	0	7708665	0	2797210	0
PML - 6.6 KV U5B (Unit I/C U5)	4788337	0	7741246	0	2952909	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	2974.59	0	3050.62	0	760.30	0
Total consumption by unit bus from Station					365925	
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-76030	
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1809192		1822526		13334000	
Cummins feeder at Cummins end	101833		103836		2003000	
Lafarge feeder at Lafarge end	318251.97		318934.5661		682596	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1869833	1883652	16582800	MF 1200000		
Lin # 9 SECURE METER Reading	4071.96	4109.76	37800000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	21154816	29.38	Generator # 4 reactive	35944448	49.92	
Generator # 2 reactive	19936256	27.69	Generator # 5 reactive	35721728	49.61	
Generator # 3 reactive	27516928	38.22				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	22808084	5	22970517	5	162433	0
Air Comp 1B (U1B Bus)	20988996	3	21072515	3	83519	0
Air Comp 2A (U2A Bus)	16618740	78921552	17088964	78921552	470224	0
Air Comp 2B (C3 Bus)	11667205	19276814	12083981	19276814	416776	0
Air Comp 2C (U3A Bus)	86449043	329	86767489	329	318446	0
Air Comp 4A (U 4A Bus)	28092115	0	28329528	0	237413	0
Air Comp 4B (U 4B Bus)	44757338	0	44982331	0	224993	0
Air Comp 5B (U5B Bus)	57922683	3727	58312167	3727	389484	0
			Total Comp Load		2303288	
CLPH unit # 1 Readings						
CLPH INC 1	16971.01	10	17122.01	10	151000	0
CLPH INC 2	12026.02	16	12091.02	16	65004	0
CT FAN BUS A SIDE	7025.90	16294	7100.30	16294	74400	0
CT FAN BUS B SIDE	6987.60	64	7035.70	64	48100	0
	Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)				93504	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-011-2023 00:00:00 TO: 30-Nov-23 12:00:00 AM
Report Generated on: 01-Dec-23 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3101921	Total station to unit tie load	365925	2935109	< allocated load	
Total Compressor load on units	1886512	Total common load on CLPH bus for allocation		93504		
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	38835200	64789504	70193152	77490368	71104512	322412736
Unit Load	4064205	5490092	5425187	6444658	6087680	27511822
Compressor Load allocation	227234	379098	410716	453414	416049	1886512
CLPH load allocation	11263	18790	20357	22473	20621	93504
Corrected Unit Load	3963246	5417756	5537814	6458139	6134866	27511822
% Unit Consumption	10.24	8.36	7.89	8.39	8.63	8.53%
Allocated Station Load	353539	589816	639009	705439	647305	2935109
Station to unit consumption	0	0	0	0	166743	166743
Total station load for each unit	353539	589816	639009	705439	814048	3101852
% station load	0.91%	0.91%	0.91%	0.91%	1.14%	0.96%
Total Aux. consumed by unit	4316785	6007573	6176823	7163578	6948915	30613674
% of Aux. Consumption	11.12%	9.27%	8.80%	9.24%	9.77%	9.50%
Deemed PLF	100.00%	100.00%	100.00%	100.00%	100.00%	
PLF %	79.91%	74.99%	81.24%	89.69%	82.30%	81.79%

Tisco Representative

TPCL Representative

Name: Mr. C N S Gautam

Name: Mr. Chandrasekhar Singh, Biswajit Mohanty, Prasant Dehury

Signature

Signature

Date & Time

01-Dec-23 10:00:00 AM

Date & Time

01-Dec-23 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1, C2, C5 ie. T1C, T2C, T3C less tie loading of each unit as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

Head (Accounts)

Generation Details for the Month of January'24

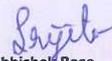
1. GENERATION (MWH)		UNIT	ACTUAL	PLAN					
1a. Generation from Unit#1 (67.5 MW)		MWH	32363.52	37162.80					
1b. Generation from Unit#2 - Regulated Capacity (120 MW)		MWH	52531.20	86553.60					
1c. Generation from Unit#3 - Regulated Capacity (120 MW)		MWH	75058.18	86788.80					
1d. Generation from Unit#4 (120 MW)		MWH	85082.05	80352.00					
1e. Total Generation from Station (427.5 MW)		MWH	245034.94	290857.20					
2. RUNNING HOURS (HRS)		UNIT	ACTUAL	PLAN					
2a. Running hours of Unit#1 (67.5 MW)		HOURS	616.5	744.0					
2b. Running hours of Unit#2 (120 MW)		HOURS	594.1	736.0					
2c. Running hours of Unit#3 (120 MW)		HOURS	744.0	738.0					
2d. Running hours of Unit#4 (120 MW)		HOURS	744.0	744.0					
3. GENERATION AVAILABILITY (%)		* Average Declared Capacity (MW)	Generation Availability (%)						
3a. Generation Availability of Unit#2 (%)		86.03	79.66%						
3b. Generation Availability of Unit#3 (%)		107.76	99.77%						
(Availability figures are for full month of 31 days)									
4. EXPORT METER READINGS (MWH)									
4a. Power Export through 132 KV Feeders		MWH	273304						
4b. Power Export through 33 KV Feeders		MWH	19410						
4c. Total Export		MWH	292714.51						
(Export meter readings are as per PML Meters)									
5. IMPORT METER READINGS (MWH)									
5a. Power Import		MWH	204.20						
6. AUX POWER CONSUMPTION & TRANSFORMER LOSSES (MWH)									
6a. Unit#1 Aux Power Consumption		MWH	3606.1						
6b. Unit#2 Aux Power Consumption		MWH	5016.1						
6c. Unit#3 Aux Power Consumption		MWH	6488.4						
6d. Unit#4 Aux Power Consumption		MWH	7674.5						
6e. Total Aux Power Consumption		MWH	22785.16	9.30					
(System Losses are included in units auxiliary power consumption)									
7. Ex Bus Generation (MWH)									
7a. Ex-Bus Generation from Unit#2 - Regulated Capacity (120 MW)*		MWH	47515.05						
7b. Ex-Bus Generation from Unit#3 - Regulated Capacity(120 MW)*		MWH	68569.74						
8.a COAL RECEIPT, CONSUMPTION & STOCK (MT)		Unit	Opening Stock #	Receipt	Consumption			Closing Stock	
Item	Unit	Opening Stock #	Receipt	Unit#1	Unit#2	Unit#3	Unit #4	Total	Closing Stock
Tailing (By Rake)(2&3)	MT	9225.58	4528.61		484.00	1966.00		2450.00	11304.19
CCL(1&4) T4	MT	23642.42		14056.00	0.00	0.00		14056.00	9586.42
ECL Shakti(2&3)	MT	7708.20	7807.22	0.00	1738.32	9890.00		11628.32	3887.10
ECL(1&4) T4	MT	8252.45	19224.02	8517.00	0.00	0.00		8517.00	18959.47
MCL Shakti(2&3)	MT	14313.44	31730.43	0.00	5591.00	9601.00		15192.00	30851.87
CCL Shakti(2&3) Round 3	MT	31678.50	44849.23	0.00	29201.00	28773.00		57974.00	18553.73
U4 MIDDLING	MT	37096.90	61683.74				52355.00	52355.00	46425.64
Total Coal	MT	131917.49	169823.25	22573.00	37014.32	50230.00	52355.00	162172.32	139568.42
8.b LDO RECEIPT, CONSUMPTION & STOCK (KL)		Unit	Opening Stock	Receipt	Consumption			Closing Stock	
Item	Unit	Opening Stock	Receipt	Unit#1	Unit#2	Unit#3	Unit #4	Total	Closing Stock
LDO	KL	553.98	200.00	3.00	66.00	4.00	3.00	76.00	677.98
9. RAW WATER CONSUMPTION (M ³)									
9a. Unit#1 Raw Water Consumption				M ³	70892				
9b. Unit#2 Raw Water Consumption				M ³	115070				
9c. Unit#3 Raw Water Consumption				M ³	164415				
9d. Unit#4 Raw Water Consumption				M ³	186373				
9f. Total Raw Water Consumption				M³	536750				
10. FLY ASH UTILISATION (MT) including IEL unit 5									
Nuvoco	MT	38690	Bricks	MT	0	Wet Disposal	MT	21074	
Dalmia+ Sri Cement	MT	0	RMC	MT	7125	FA Generated	MT	66889	
Ash Bagging	MT	0	DFA Utilized	MT	45815	Fly Ash Utilized	MT	66889	
Pond Ash Generated	MT	37797	Pond Ash Utilized	MT	58105	Fly Ash Utilization	%	100%	
				Pond 1	Pond 2				
Total capacity		MT		500364	373059				
Total ash in pond in last month		MT		248276	234845				
Total Ash Sent to Jemco Pond		MT		32151	5646				
Cleaned during this month (dry & slag free)		MT		35552	22553				
Ash Shifting to Low Lying area (With wet & moisture)		MT							
Ash Shifting to ISWP Site (With wet & moisture)		MT		43592	16859				
Total Cleaned during this month (With wet & moisture)		MT		43592	16859				
Total ash in pond after cleaning		MT		244874	217938				
% of ash in pond		%		49%	58%	Considering full load & total ash sent to pond at the rate of 3470 MT/Day.			

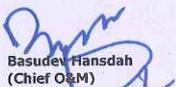
Note: The plan figures of generation and running hours are as per ABP figures.

Ex- Bus Generation of Regulated capacity of Units 2 & 3 has been considered with Actual Aux Power.

LDO Opening Stock indicates Tata Power Stock only.

Fly Ash Utilization data is inclusive of Unit 5.


Abhishek Bose
(Group Head -MIS, Perf & Efficiency)


Basudev Hansdah
(Chief O&M)


Jagmit Singh Sidhu
(CEO - IEL & Chief - Jamshedpur Operations)

TATA POWER COMPANY LIMITED
 JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT
 Report Generated on :

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 01-Feb-24 10:00:00 AM

TO: 31-Jan-24 12:00:00 AM

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FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	3522944768	59	3555292672	59	32347904	0
PML- GEN # 2 (Check)	7075582464	69	7128307200	69	52724736	0
FML- GEN # 3 (CHECK)	7972706304	175	8047902208	175	75195904	0
PML- GEN # 4 (CHECK)	14989017088	459	15073552384	459	84535296	0
PML- GEN # 5	11001869312	239	11081391104	239	79521792	0
Total Generation (PML)					324325632	
PML- GEN # 1 (G1B)	9959072768	375	9991436288	375	32363520	0
PML- GEN # 2 (G2B)	16870618112	500	16923149312	500	52531200	0
PML- GEN # 3 (G3B)	17107796992	569	17182855168	569	75058176	0
PML GEN # 4 (G4B)	394711840	67	479793888	67	85082048	0
PML GEN # 5 (G5B)	10993813504	1557	11073239040	1557	79425536	0
Total Generation (Alpha)					324460480	
EXPORT						
PML- LINE # 1	10409674752	215528	10447326208	215528	37651456	0
PML- LINE # 2	1652780808	1268	1689957598	1268	37176790	0
PML- LINE # 3	9676350464	107158	9712569344	107158	36218880	0
PML- LINE # 4	4620625408	57270	4655631360	57270	35005952	0
PML- LINE # 5	6016264192	11400554	6045865984	11604754	29601792	204200
PML- LINE # 6	2371297024	785	2390580480	785	19283456	0
PML- LINE # 7	1585911936	130523224	1606221312	130523224	20309376	0
PML- LINE # 8	1489829888	49050100	1510416640	49050100	20586752	0
PML- LINE # 9	4024124416	44	4061594112	44	37469696	0
Total 132 KV export					273304150	204200
PML- 33 KV ST1	3084661248	2824	3091906048	2824	7244800	0
PML- 33 KV ST2	2436487424	9122	2443502848	9122	7015424	0
PML- 33 KV ST3	3264489552	779826	3315990900	813764	5150131	33938
Total 33 KV export					19410355	33938
PML- 132 KV ST1	3284774656	683214	3292974336	683214	8199680	0
PML- 132 KV ST2	2571460352	1350151	2579495680	1350151	8035328	0
PML- 132 KV ST3	2228026368	2354501	2233896704	2370518	5870336	16017
ST 132 KV total					22105344	16017
PML- 6.6 KV C1 (T1C)	57012040	866	58116329	866	1104289	0
PML- 6.6 KV C2 (T2C)	3774175	93946	4949374	93946	1175199	0
PML- 6.6 KV C3 (T3C)	78898410	186	79811883	186	913473	0
Total 6.6 KV station load					3192961	0
PML- 132 KV GT1 (G1A)	8790930432	8540	8819829760	8549	28899328	9
PML- 132 KV GT2 (G2A)	2783897871	54	2832031796	56	48133925	2
PML- 132 KV GT3 (G3A)	15681092608	2989	15750414336	2989	69321728	0
PML- 132 KV GT4 (G4A)	11648424960	18422	11726170112	18422	77745152	0
PML- 132 KV GT5 (G5A)	8290024448	1297	8363198976	1297	73174528	0
Total GT export at 132 KV					297274661	11
PML - 6.6 KV C1 to U1A (TIE-U1) T1	4106483	37	4206162	37	99679	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50526294	383338	50631067	383338	104773	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	1058741	3415811	1218737	3415811	159996	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	747227	9132807	805478	9132807	58251	0
PML - 6.6 KV C3 to U3A (TIE U3) T5	1340775	6167915	1340775	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	1028740	1682369	1028740	1682369	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	39161613	19099361	39391783	19099361	230170	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	50863301	15292082	51542844	15292082	679543	0
PML - 6.6 KV C1 to C8 (TIE U5) T9	1647575	227	1776559	227	128984	0
PML - 6.6 KV C6 to C9 (TIE U5) T10	45868802	1045	46016966	1045	143164	0
PML - 6.6 KV C6 to U4A (TIE U3) T5	4383523	36	4383523	36	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4521931	75	4521931	75	0	0
PML - 6.6 KV U1A (Unit I/C U1)	79076306	26	80727734	26	1651428	0
PML - 6.6 KV U1B (Unit I/C U1)	3157564	115	4707139	115	1549575	0
PML - 6.6 KV U2A (Unit I/C U2)	44455618	45	46995891	45	2540273	0
PML - 6.6 KV U2B (Unit I/C U2)	51302101	112	52894347	112	1592246	0
PML - 6.6 KV U3A (Unit I/C U3)	259659	55	3154415	55	2894756	0
PML - 6.6 KV U3B (Unit I/C U3)	80682855	0	83106894	0	2424039	0
PML - 6.6 KV U4A (Unit I/C U4)	61537451	55	65138598	55	3601147	0
PML - 6.6 KV U4B (Unit I/C U4)	26509022	0	29456848	0	2947826	0
PML - 6.6 KV U5A (Unit I/C U5)	978093	0	3956405	0	2978312	0
PML - 6.6 KV U5B (Unit I/C U5)	1079742	0	4040172	0	2960430	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	3156.39	0	3256.51	0	100120	0
Total consumption by unit bus from Station					699847	0
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-100120	
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1833416		1845940		12524000	
Cummins feeder at Cummins end	105406		107184		1778000	
Lafarge feeder at Lafarge end	319668.502		324819.7764		5151274	
132 KV line 9 and 5 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1897357	1913486	19354800	MF 1200000		
Lin # 9 SECURE METER Reading	4148.43	4186.19	37760000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	17519104	23.55	Generator # 4 reactive	39848160	53.56	
Generator # 2 reactive	18427392	24.77	Generator # 5 reactive	40237056	54.08	
Generator # 3 reactive	29139968	39.17				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	23096253	5	23277304	5	181051	0
Air Comp 1B (U1B Bus)	21206710	3	21404297	3	197587	0
Air Comp 2A (U2A Bus)	17530754	78921552	17905285	78921552	374531	0
Air Comp 2B (C3 Bus)	12541497	19276814	12808181	19276814	266684	0
Air Comp 2C (U3A Bus)	8656138	329	9007917	329	351779	0
Air Comp 4A (U 4A Bus)	28603284	0	28944581	0	341297	0
Air Comp 4B (U 4B Bus)	45203768	0	45495374	0	291606	0
Air Comp 5B (U5B Bus)	58831118	3727	59001111	3727	169993	0
Total Comp Load					2174528	
CLPH unit # 1 Readings						
CLPH INC 1	17232.01	10	17337.01	10	105000	0
CLPH INC 2	12170.02	16	12228.02	16	57996	0
CT FAN BUS A SIDE	7180.20	16294	7244.20	16294	64000	0
CT FAN BUS B SIDE	7054.20	64	7062.40	64	8200	0
Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)					90796	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

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MONTHLY GENERATION REPORT
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Total Station Load (C1 + C2+ C5)	3293081	Total station to unit tie load	699847	2772702	< allocated load	
Total Compressor load on units	1907844	Total common load on CLPH bus for allocation	90796			
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	32363520	52531200	75058176	85082048	79425536	324460480
Unit Load	3395184	4399935	5736448	7056185	6251008	26838760
Compressor Load allocation	190299	308886	441346	500287	467026	1907844
CLPH load allocation	9057	14700	21004	23809	22226	90796
Corrected Unit Load	3125106	4348990	5847019	6947378	6570267	26838760
% Unit Consumption	9.66	8.28	7.79	8.22	8.27	8.27%
Allocated Station Load	276565	448909	641415	727075	678737	2772702
Station to unit consumption	204452	218247	0	0	95020	517719
Total station load for each unit	481017	667156	641415	727075	773757	3290421
% station load	1.49%	1.27%	0.85%	0.85%	0.97%	1.01%
Total Aux. consumed by unit	3606123	5016147	6488434	7674453	7344024	30129181
% of Aux. Consumption	11.14%	9.55%	8.64%	9.02%	9.25%	9.29%
Deemed PLF	82.86%	79.85%	100.00%	100.00%	100.00%	
PLF %	64.44%	58.84%	84.07%	95.30%	88.96%	79.65%

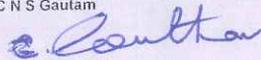
Tisco Representative

TPCL Representative

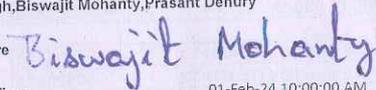
Name: Mr. C N S Gautam

Name: Mr.Chandrasekhar Singh,Biswajit Mohanty,Prasant Dehury

Signature



Signature



Date & Time

01-Feb-24 10:00:00 AM

Date & Time

01-Feb-24 10:00:00 AM

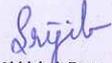
The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1,2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1,C2,C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

Head (Accounts)

Generation Details for the Month of February'24

1. GENERATION (MWH)		UNIT	ACTUAL	PLAN						
1a. Generation from Unit#1 (67.5 MW)		MWH	15522.82	25515.00						
1b. Generation from Unit#2 - Regulated Capacity (120 MW)		MWH	61478.91	78556.80						
1c. Generation from Unit#3 - Regulated Capacity (120 MW)		MWH	67239.94	78556.80						
1d. Generation from Unit#4 (120 MW)		MWH	80666.34	71928.00						
1e. Total Generation from Station (427.5 MW)		MWH	224908.00	254556.60						
2. RUNNING HOURS (HRS)			ACTUAL	PLAN						
2a. Running hours of Unit#1 (67.5 MW)		HOURS	618.6	522.0						
2b. Running hours of Unit#2 (120 MW)		HOURS	696.0	691.9						
2c. Running hours of Unit#3 (120 MW)		HOURS	696.0	691.9						
2d. Running hours of Unit#4 (120 MW)		HOURS	696.0	689.8						
3. GENERATION AVAILABILITY (%)		* Average Declared Capacity (MW) Generation Availability (%)								
3a. Generation Availability of Unit#2 (%)			107.98	99.98%						
3b. Generation Availability of Unit#3 (%)			107.48	99.52%						
(Availability figures are for full month of 29 days)										
4. EXPORT METER READINGS (MWH)										
4a. Power Export through 132 KV Feeders		MWH		256070						
4b. Power Export through 33 KV Feeders		MWH		13186						
4c. Total Export		MWH		269256.70						
(Export meter readings are as per PML Meters)										
5. IMPORT METER READINGS (MWH)										
5a. Power Import		MWH		6.05						
6. AUX POWER CONSUMPTION & TRANSFORMER LOSSES (MWH)										
6a. Unit#1 Aux Power Consumption		MWH		1933.0						
6b. Unit#2 Aux Power Consumption		MWH		5746.0						
6c. Unit#3 Aux Power Consumption		MWH		5821.6						
6d. Unit#4 Aux Power Consumption		MWH		7246.9						
6e. Total Aux Power Consumption		MWH	20747.51	% 9.22						
(System Losses are included in units auxiliary power consumption)										
7. Ex Bus Generation (MWH)										
7a. Ex-Bus Generation from Unit#2 - Regulated Capacity (120 MW)*		MWH		55732.87						
7b. Ex-Bus Generation from Unit#3 - Regulated Capacity(120 MW)*		MWH		61418.37						
8.a COAL RECEIPT, CONSUMPTION & STOCK (MT)		Unit	Opening Stock *	Receipt	Consumption				Closing Stock	
					Unit#1	Unit#2	Unit#3	Unit #4	Total	
Middling Coal (2&3)	MT	0.00	4025.62			690.00	1125.00		1815.00	2210.62
Tailing (By Rake)(2&3)	MT	11304.19	1419.72			1610.00	2901.00		4511.00	8212.91
CCL(1&4) T4	MT	9586.42	7856.78	6731.00	0.00	0.00	0.00		6731.00	10712.20
ECL Shakti(2&3)	MT	3887.10	3759.15	0.00	4050.10	3596.15			7646.25	0.00
ECL(1&4) T4	MT	18959.47	3917.62	3863.00	0.00	0.00			3863.00	19014.09
ECL(2&3) SFA	MT	0.00	12002.55			3353.00	3785.00		7138.00	4864.55
MCL Shakti(2&3)	MT	30851.87	7616.72	0.00	8306.90	13692.00			21998.90	16469.69
CCL Shakti(2&3) Round 2	MT	0.00		0.00	0.00	0.00			0.00	0.00
CCL Shakti(2&3) Round 3	MT	18553.73	39595.15	0.00	22052.00	19844.00			41896.00	16252.88
U4 MIDDLING	MT	46425.64	73308.36					49077.00	49077.00	70657.00
Total Coal	MT	139568.42	153501.67	10594.00	40062.00	44943.15	49077.00		144676.15	148393.94
8.b LDO RECEIPT, CONSUMPTION & STOCK (KL)		Unit	Opening Stock	Receipt	Consumption				Closing Stock	
					Unit#1	Unit#2	Unit#3	Unit #4	Total	
LDO	KL	677.98	100.00		113.57	2.00	2.50	3.53	121.60	656.38
9. RAW WATER CONSUMPTION (M ³)										
9a. Unit#1 Raw Water Consumption					M ³				34602	
9b. Unit#2 Raw Water Consumption					M ³				137045	
9c. Unit#3 Raw Water Consumption					M ³				149887	
9d. Unit#4 Raw Water Consumption					M ³				179816	
9f. Total Raw Water Consumption					M³				501351	
10. FLY ASH UTILISATION (MT) including IEL unit 5										
Nuvoco	MT	42295	Bricks	MT	12	Wet Disposal		MT	4557	
Dalmia+ Sri Cement	MT	6508	RMC	MT	7384	FA Generated		MT	60755	
Ash Bagging	MT	0	DFA Utilized	MT	56198	Fly Ash Utilized		MT	60755	
Pond Ash Generated	MT	19745	Pond Ash Utilized	MT	49700	Fly Ash Utilization		%	100%	
					Pond 1	Pond 2				
Total capacity	MT				500364	373059				
Total ash in pond in last month	MT				244874	217938				
Total Ash Sent to Jermco Pond	MT				15999	3746				
Cleaned during this month (dry & slag free)	MT				0	49700				
Ash Shifting to Low Lying area (With wet & moisture)	MT				0.00	0				
Ash Shifting to ISWP Site (With wet & moisture)	MT				0	59429				
Total Cleaned during this month (With wet & moisture)	MT				0	59429				
Total ash in pond after cleaning	MT				260873	171984				
% of ash in pond	%				52%	46%				Considering full load & total ash sent to pond at the rate of 3470 MT/Day.

Note: The plan figures of generation and running hours are as per ABP figures.
Ex- Bus Generation of Regulated capacity of Units 2 & 3 has been considered with Actual Aux Power.
LDO Opening Stock indicates Tata Power Stock only.
Fly Ash Utilization data is inclusive of Unit 5.


Abhishek Bose
(Group Head - MIS, Perf & Efficiency)


Basudev Hansdah
(Chief O&M)


Jagmit Singh Sidhu
(CEO - IEL & Chief - Jamshedpur Operations)

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT
Report Generated on :

FROM: 01-Feb-24 12:00:00 AM
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Sheet 1 of 2

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	3555292672	59	3570802432	59	15509760	0
PML- GEN # 2 (Check)	7128307200	69	7190010880	69	61703680	0
PML- GEN # 3 (CHECK)	8047902208	175	8115264000	175	67361792	0
PML- GEN # 4 (CHECK)	15073552384	459	15153695744	459	80143360	0
PML- GEN # 5	11081391104	239	11155116032	239	73724928	0
Total Generation (PML)					298443520	
PML- GEN # 1 (G1B)	9991436288	375	10006959104	375	15522816	0
PML- GEN # 2 (G2B)	16923149312	500	16984628224	500	61478912	0
PML- GEN # 3 (G3B)	17182855168	569	17250095104	569	67239936	0
PML GEN # 4 (G4B)	479793888	67	56040224	67	80666336	0
PML GEN # 5 (G5B)	11073239040	1557	11146874880	1557	73635840	0
Total Generation (Alpha)					298543840	
EXPORT						
PML- LINE # 1	10447326208	215528	10487531520	215528	40205312	0
PML- LINE # 2	1689957598	1268	1729768856	1268	39811258	0
PML- LINE # 3	9712569344	107158	9751268352	107158	38699008	0
PML- LINE # 4	4655631360	57270	4692719104	57270	37087744	0
PML- LINE # 5	6045865984	11604754	6071604736	11610806	25738752	6052
PML- LINE # 6	2390580480	785	2403338496	786	12758016	1
PML- LINE # 7	1606221312	130523224	1620410112	130523224	14188800	0
PML- LINE # 8	1510416640	49050100	1524899712	49050100	14483072	0
PML- LINE # 9	4061594112	44	4094692608	44	33098496	0
Total 132 KV export					256070458	6053
PML- 33 kV ST1	3091906048	2824	3098087168	2824	6181120	0
PML- 33 kV ST2	2443502848	9122	2449491200	9122	5988352	0
PML- 33 kV ST3	331599090	813764	332615858	858648	1016768	44884
Total 33 KV export					13186240	44884
PML- 132 kV ST1	3292974336	683214	3300150016	683214	7175580	0
PML- 132 kV ST2	2579495680	1350151	2586545152	1350151	7049472	0
PML- 132 kV ST3	2233896704	2370518	2235634944	2383990	1738240	13472
ST 132 KV total					15963392	13472
PML- 6.6 kV C1 (T1C)	58116329	866	59268627	866	1152298	0
PML- 6.6 kV C2 (T2C)	4949374	93946	6171598	93946	1222224	0
PML- 6.6 kV C5 (T3C)	79811883	186	80733460	186	921577	0
Total 6.6 KV station load					3296099	0
PML- 132 kV GT1 (G1A)	8819829760	8549	8833683456	8549	13853696	0
PML- 132 kV GT2 (G2A)	2832031796	56	2888636666	56	56604870	0
PML- 132 kV GT3 (G3A)	15750414336	2989	15812536296	2989	62120960	0
PML- 132 kV GT4 (G4A)	11726170112	18422	11799880704	18422	73710592	0
PML- 132 kV ICT1 (G5A)	8363198976	1297	8430691328	1297	67492352	0
Total GT export at 132 KV					273782470	0
PML - 6.6 KV C1 to U1A (TIE-U1) T1	4206162	37	4458045	37	251883	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50631067	383338	50852203	383338	221136	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	1218737	3415811	1218737	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	805478	9132807	805478	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3) T5	1340775	6167915	1340775	6167915	0	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	1028740	1682369	1028740	1682369	0	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	39391783	19099361	39586990	19099361	195207	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	51542844	15292082	52086884	15292082	544040	0
PML - 6.6 KV C1 to C8 (TIE U5) T9	1776559	227	1792049	227	15490	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	46016966	1045	46398285	1045	381319	0
PML - 6.6 KV C6 to U4A (TIE U3) T5	4383523	36	4383523	36	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4521931	75	4521931	75	0	0
PML - 6.6 KV U1A (Unit I/C U1)	80727734	26	81539775	26	812041	0
PML - 6.6 KV U1B (Unit I/C U1)	4707139	115	5458873	115	751734	0
PML - 6.6 KV U2A (Unit I/C U2)	46995891	46	49620812	46	2624921	0
PML - 6.6 KV U2B (Unit I/C U2)	52894347	112	54822625	112	1928278	0
PML - 6.6 KV U3A (Unit I/C U3)	3154415	55	5726703	55	2572288	0
PML - 6.6 KV U3B (Unit I/C U3)	83106894	0	85328052	0	2221158	0
PML - 6.6 KV U4A (Unit I/C U4)	65138598	55	68439629	55	3301031	0
PML - 6.6 KV U4B (Unit I/C U4)	29456848	0	32313649	0	2856801	0
PML - 6.6 KV U5A (Unit I/C U5)	3956405	0	6868054	0	2911649	0
PML - 6.6 KV U5B (Unit I/C U5)	4040172	0	6934878	0	2894706	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	3256.51	0	3257.71	0	1200	0
Total consumption by unit bus from Station					869828	0
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-1200	0
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1845940		1856592		10652000	
Cummins feeder at Cummins end	107184		108908		1724000	
Lafarge feeder at Lafarge end	324819.7764		325858.3158		1038539	
132 KV line 9 and 6 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1913486	1924102	12739200	MF 1200000		
Lin # 9 SECURE METER Reading	4186.19	4219.46	33270000	MF 1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	6943232	9.98	Generator # 4 reactive	41288480	59.32	
Generator # 2 reactive	22019072	31.64	Generator # 5 reactive	39648768	56.97	
Generator # 3 reactive	25693184	36.92				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	23277304	5	23409755	5	132451	0
Air Comp 1B (U1B Bus)	21404297	3	21607720	3	203423	0
Air Comp 2A (U2A Bus)	17905285	78921552	18016251	78921552	110966	0
Air Comp 2B (C3 Bus)	12808181	19276814	13125445	19276814	317264	0
Air Comp 2C (U3A Bus)	9007917	329	9287256	329	279339	0
Air Comp 4A (U 4A Bus)	28944581	0	29183712	0	239131	0
Air Comp 4B (U 4B Bus)	45495374	0	45812507	0	317133	0
Air Comp 5B (U5B Bus)	59001111	3727	59391727	3732	390616	5
			Total Comp Load		1990323	
CLPH unit # 1 Readings						
CLPH INC 1	17337.01	10	17429.01	10	92000	0
CLPH INC 2	12228.02	16	12266.02	16	38004	0
CT FAN BUS A SIDE	7244.20	16294	7264.60	16294	20400	0
CT FAN BUS B SIDE	7062.40	64	7086.90	64	24500	0
	Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)				85104	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT FROM: 01-Feb-24 12:00:00 AM TO: 29-Feb-24 12:00:00 AM
Report Generated on: 01-Mar-24 10:00:00 AM

Total Station Load (C1 + C2+ C5)	3297299	Total station to unit tie load	869828	2551401	< allocated load	
Total Compressor load on units	1673059	Total common load on CLPH bus for allocation		85104		
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	15522816	61478912	67239936	80666336	73635840	298543840
Unit Load	1656912	4969545	5130277	6638692	6143488	24538914
Compressor Load allocation	86991	344532	376817	452059	412660	1673059
CLPH load allocation	4425	17525	19168	22995	20991	85104
Corrected Unit Load	1327350	5220636	5246923	6557483	6186523	24538914
% Unit Consumption	8.56	8.49	7.80	8.18	8.40	8.22%
Allocated Station Load	132660	525408	574643	689387	629303	2551401
Station to unit consumption	473019	0	0	0	166074	639093
Total station load for each unit	605679	525408	574643	689387	795377	3190494
% station load	3.90%	0.85%	0.86%	0.85%	1.08%	1.07%
Total Aux. consumed by unit	1933029	5746044	5821565	7246869	6981900	27729408
% of Aux. Consumption	12.45%	9.35%	8.66%	8.98%	9.48%	9.29%
Deemed PLF	88.88%	100.00%	100.00%	100.00%	100.00%	
P L F %	33.04%	73.61%	80.51%	96.58%	88.17%	78.35%

Tisco Representative	TPCL Representative
Name: Mr. C N S Gautam	Name: Mr.Chandrasekhar Singh,Biswajit Mohanty,Prasant Dehury
Signature:	Signature:
Date & Time: 01-Mar-24 10:00:00 AM	Date & Time: 01-Mar-24 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1, C2, C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

Head (Accounts)

Generation Details for the Month of March'24

1. GENERATION (MWH)		UNIT	ACTUAL	PLAN						
1a. Generation from Unit#1 (67.5 MW)		MWH	39176.19	38457.18						
1b. Generation from Unit#2 - Regulated Capacity (120 MW)		MWH	64249.86	86553.60						
1c. Generation from Unit#3 - Regulated Capacity (120 MW)		MWH	66922.50	86788.80						
1d. Generation from Unit#4 (120 MW)		MWH	86459.01	79704.00						
1e. Total Generation from Station (427.5 MW)		MWH	256807.55	291503.58						
2. RUNNING HOURS (HRS)			ACTUAL	PLAN						
2a. Running hours of Unit#1 (67.5 MW)		HOURS	744.0	738.0						
2b. Running hours of Unit#2 (120 MW)		HOURS	744.0	736.0						
2c. Running hours of Unit#3 (120 MW)		HOURS	742.1	738.0						
2d. Running hours of Unit#4 (120 MW)		HOURS	744.0	738.0						
3. GENERATION AVAILABILITY (%)		* Average Declared Capacity (MW)	Generation Availability (%)							
3a. Generation Availability of Unit#2 (%)		107.82	99.83%							
3b. Generation Availability of Unit#3 (%)		106.53	98.64%							
(Availability figures are for full month of 31 days)										
4. EXPORT METER READINGS (MWH)										
4a. Power Export through 132 KV Feeders		MWH	281775							
4b. Power Export through 33 KV Feeders		MWH	14795							
4c. Total Export		MWH	296569.25							
(Export meter readings are as per PML Meters)										
5. IMPORT METER READINGS (MWH)										
5a. Power Import		MWH	14.44							
6. AUX POWER CONSUMPTION & TRANSFORMER LOSSES (MWH)										
6a. Unit#1 Aux Power Consumption		MWH	4427.9							
6b. Unit#2 Aux Power Consumption		MWH	6071.8							
6c. Unit#3 Aux Power Consumption		MWH	6041.3							
6d. Unit#4 Aux Power Consumption		MWH	7828.1							
6e. Total Aux Power Consumption		MWH	24369.10	9.49						
(System Losses are included in units auxiliary power consumption)										
7. Ex-Bus Generation (MWH)										
7a. Ex-Bus Generation from Unit#2 - Regulated Capacity (120 MW)*		MWH	58178.09							
7b. Ex-Bus Generation from Unit#3 - Regulated Capacity (120 MW)*		MWH	60881.16							
8.a. COAL RECEIPT, CONSUMPTION & STOCK (MT)		Unit	Opening Stock #	Receipt	Consumption				Closing Stock	
					Unit#1	Unit#2	Unit#3	Unit #4	Total	
Middling Coal (2&3)	MT	2210.62	39943.71		0.00	8431.58	9487.58		17919.16	24235.17
Middling Coal (1 to 4)	MT	0.00	119.10	119.10	0.00	0.00			119.10	0.00
MCL Coal (1&4) T4	MT	0.00	181.30	181.30	0.00	0.00			181.30	0.00
2 Prod(By Rake)(U1&4)	MT	0.00	181.60	181.60	0.00	0.00			181.60	0.00
Tailing (By Rake)(2&3)	MT	8212.91				2875.42	2286.99		5162.41	3050.50
CCL(1&4) T4	MT	10712.20	20015.93	14165.18	0.00	0.00			14165.18	16562.95
ECL Shakti(2&3)	MT	0.00	62.60	0.00	0.00	62.60			62.60	0.00
ECL(1&4) T4	MT	19014.09	7881.95	11030.35	0.00	0.00			11030.35	15865.69
ECL(2&3) SFA	MT	4864.55				2529.00	2335.55		4864.55	0.00
MCL Shakti(2&3)	MT	16469.69	7629.25	0.00	11443.21	10802.81			22246.02	1852.92
CCL Shakti(2&3) Round 3	MT	16252.88	44833.38	0.00	18025.40	19843.22			37868.62	23217.64
CCL Shakti(2&3) W-IV	MT	0.00	61.40	0.00	0.00	61.40			61.40	0.00
U4 MIDDLING	MT	70657.00	74384.41				52677.00		52677.00	92364.41
Total Coal	MT	148393.94	195294.63	25677.53	43304.61	44880.15	52677.00		166539.29	177149.28
8.b. LDO RECEIPT, CONSUMPTION & STOCK (KL)		Unit	Opening Stock	Receipt	Consumption				Closing Stock	
					Unit#1	Unit#2	Unit#3	Unit #4	Total	
LDO	KL	656.38	100.00		14.00	4.00	33.00	41.00	92.00	664.38
9. RAW WATER CONSUMPTION (M ³)										
9a. Unit#1 Raw Water Consumption					M ³	90698				
9b. Unit#2 Raw Water Consumption					M ³	148747				
9c. Unit#3 Raw Water Consumption					M ³	154934				
9d. Unit#4 Raw Water Consumption					M ³	200164				
9f. Total Raw Water Consumption					M³	594543				
10. FLY ASH UTILISATION (MT) including IEL unit 5										
Nuvoco	MT	40790	Bricks	MT	0	Wet Disposal	MT	7436		
Dalmia+ Sri Cement	MT	11776	RMC	MT	7203	FA Generated	MT	67206		
Ash Bagging	MT	0	DFA Utilized	MT	59769	Fly Ash Utilized	MT	67206		
Pond Ash Generated	MT	24238	Pond Ash Utilized	MT	54904	Fly Ash Utilization	%	100%		
					Pond 1	Pond 2				
Total capacity	MT				500364	373059				
Total ash in pond in last month	MT				260873	171984				
Total Ash Sent to Jemco Pond	MT				0	24238				
Cleaned during this month (dry & slag free)	MT				48344	6650				
Ash Shifting to Low Lying area (With wet & moisture)	MT				0.00	0				
Ash Shifting to ISWP Site (With wet & moisture)	MT				57806	7952				
Total Cleaned during this month (With wet & moisture)	MT				57806	7952				
Total ash in pond after cleaning	MT				212530	189572				
% of ash in pond					42%	51%				Considering full load & total ash sent to pond at the rate of 3470 MT/Day.

Note: The plan figures of generation and running hours are as per ABP figures.
Ex- Bus Generation of Regulated capacity of Units 2 & 3 has been considered with Actual Aux Power.
LDO Opening Stock indicates Tata Power Stock only.
Fly Ash Utilization data is inclusive of Unit 5.

Singh
Abhishek Bose
(Group Head -MIS, Perf & Efficiency)

Basudev
Basudev Handah
(Chief O&M)

Sidhu
Jaagmit Singh Sidhu
(CEO - IEL & Chief -Jamshedpur Operations)

TATA POWER COMPANY LIMITED
 JOJOBERA POWER PLANT

MONTHLY GENERATION REPORT
 Report Generated on :

FROM: 01-Mar-24 12:00:00 AM
 01-Apr-24 10:00:00 AM

TO: 31-Mar-24 12:00:00 AM

FEEDER NAME	INITIAL READINGS		FINAL READINGS		DIFFERENCE	
	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT	KWH EXPORT	KWH IMPORT
GENERATION						
PML- GEN # 1 (Check)	3570802432	59	3609959680	59	39157248	0
PML- GEN # 2 (Check)	7190010880	69	7254518784	69	64507904	0
PML- GEN # 3 (CHECK)	8115264000	175	8182323712	175	67059712	0
PML- GEN # 4 (CHECK)	15153695744	459	15239598080	459	85902336	0
PML- GEN # 5	11155116032	239	11228567552	239	73451520	0
Total Generation (PML)					330078720	
PML- GEN # 1 (G1B)	10006959104	375	10046135296	375	39176192	0
PML- GEN # 2 (G2B)	16984628224	500	17048878080	500	64249856	0
PML- GEN # 3 (G3B)	17250095104	569	17317017600	569	66922496	0
PML GEN # 4 (G4B)	560460224	67	646919232	67	86459008	0
PML GEN # 5 (G5B)	11146874880	1557	11220239360	1557	73364480	0
Total Generation (Alpha)					330172032	
EXPORT						
PML- LINE # 1	10487531520	215528	10530551808	215528	43020288	0
PML- LINE # 2	1729768856	1268	1772150853	1268	42381997	0
PML- LINE # 3	9751268352	107158	9792414720	107158	41146368	0
PML- LINE # 4	4692719104	57270	4732425312	57270	39710208	0
PML- LINE # 5	6071604736	11610806	6102602752	11625250	30998016	14444
PML- LINE # 6	2403338496	786	2419748608	786	16410112	0
PML- LINE # 7	1520410112	130523224	1639726976	130523224	19316864	0
PML- LINE # 8	1524899712	49050100	1544503680	49050100	19603968	0
PML- LINE # 9	4094692608	44	4123879424	44	29186816	0
Total 132 KV export					281774637	14444
PML- 33 kV ST1	3098087168	2824	3104328704	2824	6241536	0
PML- 33 kV ST2	2449491200	9122	2455547904	9122	6056704	0
PML- 33 kV ST3	332615858	858648	335112233	878177	2496375	19529
Total 33 KV export					14794615	19529
PML- 132 kV ST1	3300150016	683214	3306566144	683214	6416128	0
PML- 132 kV ST2	2586545152	1350151	2593392640	1350190	6847488	39
PML- 132 kV ST3	2235634944	2383990	2239607808	2387116	3972864	3126
ST 132 KV total					17236480	3165
PML- 6.6 kV C1 (T1C)	59268627	866	59616397	866	347770	0
PML- 6.6 kV C2 (T2C)	6171598	93946	7126724	93946	955126	0
PML- 6.6 kV C5 (T3C)	80733460	186	82396694	186	1663234	0
Total 6.6 KV station load					2966130	0
PML- 132 kV GT1 (G1A)	8833683456	8549	8868577280	8549	34893824	0
PML- 132 kV GT2 (G2A)	2888636666	56	2947313619	56	58676953	0
PML- 132 kV GT3 (G3A)	15812535296	2989	15874191360	2989	61656064	0
PML- 132 kV GT4 (G4A)	11799880704	18422	11878890496	18422	79009792	0
PML- 132 kV ICT1 (G5A)	8430691328	1297	8497540608	1297	66849280	0
Total GT export at 132 KV					301085913	0
PML - 6.6 KV C1 to U1A (TIE-U1) T1	4458045	37	4458045	37	0	0
PML - 6.6 KV C2 to U1B (TIE U1) T2	50852203	383338	50852203	383338	0	0
PML - 6.6 KV C3 to U2A (TIE U2) T3	1218737	3415811	1218737	3415811	0	0
PML - 6.6 KV C4 to U2B (TIE U2) T4	805478	9132807	805478	9132807	0	0
PML - 6.6 KV C3 to U3A (TIE U3) T5	1340775	6167915	1351899	6167915	11124	0
PML - 6.6 KV C4 to U3B (TIE U3) T6	1028740	1682369	1039079	1682369	10339	0
PML - 6.6 KV C2 to C6 (TIE U4) T7	39586990	19099361	39814657	19099361	227667	0
PML - 6.6 KV C5 to C7 (TIE U4) T8	52086884	15292082	52655370	15292082	568486	0
PML - 6.6 KV C1 to C8 (TIE U5) T9	1792049	227	1852255	227	60206	0
PML - 6.6 KV C5 to C9 (TIE U5) T10	46398285	1045	46867808	1045	469523	0
PML - 6.6 KV C8 to U4A (TIE U3) T5	4303523	36	4383523	36	0	0
PML - 6.6 KV C7 to U4B (TIE U3) T6	4521931	75	4521931	75	0	0
PML - 6.6 KV U1A (Unit I/C U1)	81539775	26	83816623	26	2276848	0
PML - 6.6 KV U1B (Unit I/C U1)	5458873	115	7170328	115	1711455	0
PML - 6.6 KV U2A (Unit I/C U2)	49620812	46	52868103	46	3247291	0
PML - 6.6 KV U2B (Unit I/C U2)	54822625	112	56826774	112	2004149	0
PML - 6.6 KV U3A (Unit I/C U3)	5726703	55	8494308	55	2767605	0
PML - 6.6 KV U3B (Unit I/C U3)	85328052	0	87488566	0	2160514	0
PML - 6.6 KV U4A (Unit I/C U4)	68439629	55	72183193	55	3743564	0
PML - 6.6 KV U4B (Unit I/C U4)	32313649	0	35124231	0	2810582	0
PML - 6.6 KV U5A (Unit I/C U5)	6868054	0	9931394	0	3063340	0
PML - 6.6 KV U5B (Unit I/C U5)	6934878	0	20101	0	3085223	0
C1 - BPRS 6.6 KV Feeder F1	916.30	0	916.30	0	0	0
BPRS - Jemco recovery F2	3267.71	0	3259.05	0	1340	0
Total consumption by unit bus from Station					551192	0
(F1-F2) ,IF F1 > F2, (F1-F2) will be deducted from total station load, else added to station Load					-1340	0
33 KV O/G feeder readings as reported by TSL						
Telco feeder at Telco end	1856592		1867308		10716000	
Cummins feeder at Cummins end	108908		110670		1762000	
Lafarge feeder at Lafarge end	325858.3158		328228.9061		2370590	
132 KV line 9 and 8 secure meter readings as noted by TSL						
Lin # 6 SECURE METER Reading	1924102	1937830	16473600	MF1200000		
Lin # 9 SECURE METER Reading	4219.46	4248.8	29340000	MF1000000		
Reactive Generation Readings						
	KVARH	MVAR				

Generator # 1 reactive	21786112	29.28	Generator # 4 reactive	40483104	54.41	
Generator # 2 reactive	21542912	28.96	Generator # 5 reactive	40360960	54.25	
Generator # 3 reactive	30299136	40.72				
Compressor Readings						
	Initial Readings		Final Readings		Net Readings	
	KWH Del	KWH Rec	KWH Del	KWH Rec	Net KWH Del	Net KWH Rec
Air Comp 1A (U1A Bus)	23409755	5	23624566	5	214811	0
Air Comp 1B (U1B Bus)	21607720	3	21687184	3	79464	0
Air Comp 2A (U2A Bus)	18016251	78921552	18515572	78921552	499321	0
Air Comp 2B (C3 Bus)	13125445	19276814	13126921	19276814	1476	0
Air Comp 2C (U3A Bus)	9287256	329	9567190	329	279934	0
Air Comp 4A (U 4A Bus)	29183712	0	29536902	0	353190	0
Air Comp 4B (U 4B Bus)	45812507	0	46020481	0	207974	0
Air Comp 5B (U5B Bus)	59391727	3732	59956229	3732	564502	0
			Total Comp Load		2200672	
CLPH unit # 1 Readings						
CLPH INC 1	17429.01	10	17573.01	10	144000	0
CLPH INC 2	12266.02	16	12353.02	16	87000	0
CT FAN BUS A SIDE	7264.60	16294	7334.10	16294	69500	0
CT FAN BUS B SIDE	7086.90	64	7149.30	64	62400	0
			Common Load on CLPH Unit 1 (inc1 + inc 2 - CT fan bus A - CT fan bus B)		99100	0

TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT

Sheet 2 of 2

MONTHLY GENERATION REPORT
Report Generated on :

FROM: 01-Mar-24 12:00:00 AM
01-Apr-24 10:00:00 AM

TO: 31-Mar-24 12:00:00 AM

Total Station Load (C1 + C2+ C5)	2967470	Total station to unit tie load	551192	2741256	< allocated load	
Total Compressor load on units	2199196	Total common load on CLPH bus for allocation	99100			
	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Unit # 5	Station
Generation	39176192	64249856	66922496	86459008	73364480	330172032
Unit Load	4223360	5590413	5278338	7069560	6515200	28676871
Compressor Load allocation	260943	427953	445755	575883	488663	2199196
CLPH load allocation	11759	19284	20087	25950	22020	99100
Corrected Unit Load	4102687	5538329	5464245	7110229	6461381	28676871
% Unit Consumption	10.47	8.62	8.17	8.28	8.81	8.69%
Allocated Station Load	325261	533435	555625	717827	609109	2741256
Station to unit consumption	0	0	21463	0	175335	196798
Total station load for each unit	325261	533435	577088	717827	784444	2938054
% station load	0.83%	0.83%	0.86%	0.83%	1.07%	0.89%
Total Aux. consumed by unit	4427948	6071764	6041333	7828056	7245825	31614925
% of Aux. Consumption	11.30%	9.45%	9.03%	9.05%	9.88%	9.58%
Deemed PLF	100.00%	100.00%	99.74%	100.00%	100.00%	
PLF %	78.01%	71.96%	74.96%	96.84%	82.17%	81.06%

Tisco Representative

TPCL Representative

Name: Mr. C N S Gautam

Name: Mr. Chandrasekhar Singh, Biswajit Mohanty, Prasant Dehury

Signature

Signature

Date & Time

01-Apr-24 10:00:00 AM

Date & Time

01-Apr-24 10:00:00 AM

The Above calculations are made on the basis of mutual understanding between TATA STEEL and TATAPOWER COMPANY LIMITED on 29th OCT'2011. For Unit 1, 2 and 3 the unit Aux. calculated as difference of 11KV meter reading and 132 KV meter reading after GT of each unit as Unit load, for Unit 4 and 5 Unit I/C load recorded by 6.6 KV end meters plus 0.6 % of generation as transformer losses is considered as unit load. Total station load is calculated from the station I/C of C1, C2, C5 ie. T1C, T2C, T3C less tie loading of each units as common and apportioned to all units on the basis of generation in addition to station to unit TIE loading. Compressors connected to unit bus are metered apportioned on the basis of generation. Common load connected to CLPH MCC derived and apportioned to units on the basis of generation. Line 9 Sep'18 month readings have considered from Initial & Final manual readings taken by TISCO.

ANNEXURE R2

Calculation of SHR

Unit-2		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Gross Generation	MU	80.75	79.37	84.14	83.52	86.32	76.95	62.93
Total Coal Consumed	MT	52817.00	53008.00	54312.25	58537.12	55219.00	55920.64	44982.00
LDO Consumption	KL	2.00	1.00	0.50	10.00	1.50	196.50	35.00
Weighted Avg Coal								
GCV	kCal/Kg	3863.71	3795.22	3926.35	3616.26	3964.15	3480.72	3559.86
LDO GCV	kCal/KL	9437.47	8854.72	8914.36	9255.48	9180.00	8830.36	8749.23
Total Heat Input Coal	MCal	204069830.76	201177197.55	213248789.07	211685163.56	218896460.47	194644287.81	160129669.81
Heat Input-LDO	MCal	18874.94	8854.72	4457.18	92554.80	13770.00	1735165.74	306223.05
Total Heat Input	MCal	204088705.71	201186052.27	213253246.25	211777718.36	218910230.47	196379453.55	160435892.86
HEAT RATE	Kcal/kWh	2527.40	2534.75	2534.63	2535.64	2536.12	2551.95	2549.27

Unit-2		Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
Gross Generation	MU	64.79	81.48	52.53	61.48	64.25	878.51
Total Coal Consumed	MT	44233.00	58395.75	37014.32	40062.00	43304.61	597805.69
LDO Consumption	KL	3.00	2.50	66.00	2.00	4.00	324.00
Weighted Avg Coal							
GCV	kCal/Kg	3726.01	3527.32	3600.67	3902.78	3780.35	3726.93
LDO GCV	kCal/KL	8644.35	8979.46	9202.00	8759.00	8967.00	8916.67
Total Heat Input Coal	MCal	164812811.66	205980205.23	133276451.42	156353344.51	163706445.16	2227980657.00
Heat Input-LDO	MCal	25933.05	22448.64	607332.00	17518.00	35868.00	2889000.12
Total Heat Input	MCal	164838744.71	206002653.87	133883783.42	156370862.51	163742313.16	2230869657.12
HEAT RATE	Kcal/kWh	2544.22	2528.24	2548.65	2543.49	2548.52	2539.37

ANNEXURE R2

Calculation of SHR

Unit-3		Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Gross Generation	MU	84.90	80.61	78.33	76.49	78.61	76.07	77.08
Total Coal Consumed	MT	55378.00	53456.00	51175.93	52680.00	53797.00	55553.88	54298.00
LDO Consumption	KL	2.00	11.50	0.50	5.00	5.00	82.61	33.50
Weighted Avg Coal								
GCV	kCal/Kg	3871.03	3819.68	3882.89	3686.42	3710.69	3466.59	3599.22
LDO GCV	kCal/KL	9437.47	8854.72	8914.36	9255.48	9180.00	8830.36	8749.23
Total Heat Input Coal	MCal	214370036.34	204184733.93	198710341.44	194200841.58	199623722.45	192582281.19	195430674.85
Heat Input-LDO	MCal	18874.94	101829.28	4457.18	46277.40	45900.00	729440.72	293099.21
Total Heat Input	MCal	214388911.28	204286563.21	198714798.62	194247118.98	199669622.45	193311721.91	195723774.06
HEAT RATE	Kcal/kWh	2525.32	2534.28	2536.80	2539.55	2539.89	2541.38	2539.38

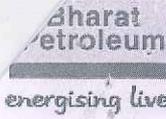
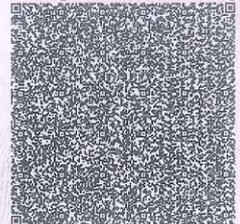
Unit-3		Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
Gross Generation	MU	70.19	3.29	75.06	67.24	66.92	834.78
Total Coal Consumed	MT	52892.00	2134.32	50230.00	44943.15	44880.15	571418.43
LDO Consumption	KL	3.00	129.00	4.00	2.50	33.00	311.61
Weighted Avg Coal							
GCV	kCal/Kg	3367.32	3541.46	3787.81	3796.88	3795.48	3703.09
LDO GCV	kCal/KL	8644.35	8979.46	9202.00	8759.00	8967.00	8917.60
Total Heat Input Coal	MCal	178104489.65	7558615.93	190261887.33	170643778.92	170341587.50	2116012991.14
Heat Input-LDO	MCal	25933.05	1158349.82	36808.00	21897.50	295911.00	2778778.10
Total Heat Input	MCal	178130422.70	8716965.76	190298695.33	170665676.42	170637498.50	2118791769.24
HEAT RATE	Kcal/kWh	2537.72	2650.27	2535.35	2538.16	2549.78	2538.13

भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड
BHARAT PETROLEUM CORPORATION LIMITED

HALDIA COASTAL INSTALLATION
PATIKHALI
HALDIA-721602 WEST BENGAL
GSTIN :19AAACB2902M1ZQ CIN :L23220MH1952GOI008931
PAN No. AAACB2902M TAN: PNEB10837B

ORIGINAL FOR RECIPIENT

GST Invoice
INVOICE No.: 4640474606
DATE/TIME: 19.03.2021/10:07:23
IRN No.: 8aad1e7e2682af9ec4f204c90d75177a
d0fbc7abdde65ef4ec25bf090971f71b



M

ADDRESS OF DELIVERY 116784 BILL TO PARTY 116784 SUPPLY PLANT 1201
TATA POWER CO LTD PATIKHALI TATA POWER CO LTD
POWER PLANT POWER PLANT
JAJOBERA JAJOBERA
TATANAGAR TATANAGAR
SINGHBHUM, JAMSHEDPUR-831016 SINGHBHUM-831016
STATE CODE - 20 PAN: AAACB2902M TAN: PNEB10837B
PLACE OF SUPPLY : JHARKAND
GSTIN : 20AAACT0054A2ZE

I.C.N.O
1403/20

APC
SAP Data MTR7-HLD
5100103315 dt. 25/03/2021
P 1340604/ 3

Product Description/ Product Code	Quantity PKG/UoM	Rate per Unit (Rs)	Taxable Value (Rs)	Taxes/ Other Charges Type/Rate	Amount (Rs)
--------------------------------------	---------------------	-----------------------	-----------------------	-----------------------------------	-------------

01.LIGHT DIESEL OIL.	25 KL	46,310.15/KL	1,157,753.75	IGST 18%	204,345.68
HSN/SAC : 2710 (94000)		DISCOUNT	-22,500.00	TCS U/S 206C(1H)	1,005.00
Base Density 867.8 @ 15 deg C					
Temp :32.0 deg C Tank No:TK15					

TATA POWER
25 MAR 2021
RECEIVED ACCOUNTS



Date! - 20.3.21
Time! - 02:10 pm
Temp! - 32°C
Density! - 0.8560
Density @ 15°C! - 0.8676

1) 144.4
2) 144.8
3) 144.0
4) 143.2
5) 144.2

Seed 7605307X2

TATA POWER JOJOBERA
PHYSICAL VERIFICATION OF
ITEMS NOT DONE
SIGNATURE
DATE 20/03/2021

TATA POWER
IN
Date 20/03/2021
10:12
15.989
1442

TL-IN	Time 10:40
TL-OUT	Time 15:00

GRN
5000619124
20/03/2021

COMPARTMENT DETAILS (in cms)
1 DL : 145.1 PL : 177.2 5.00 KL
2 DL : 144.7 PL : 179.2 5.00 KL
3 DL : 144.6 PL : 178.3 5.00 KL
4 DL : 144.3 PL : 177.6 5.00 KL
5 DL : 143.2 PL : 178.4 5.00 KL

E-Way Bill No : 801147970527

IGST 204,345.68
ROUNDING OFF -0.43
TOTAL AMOUNT 1,340,604.00

TOTAL VALUE : Rs 1,340,604.00 (Rs. Thirteen Lakh Forty Thousand Six Hundred Four Only)

Tax is not payable on Reverse Charges basis.

EVERY TAKEN WITHOUT
PREJUDICES SUBJECT TO
VERIFICATION & APPROVAL
THE TATA POWER CO. LTD.
JOJOBERA POWER PLANT
JAMSHEDPUR

20/03/2021

MUDIT GARG

"Document is digitally signed"

Received the Goods mentioned above herein in good condition

Signature SAFID0

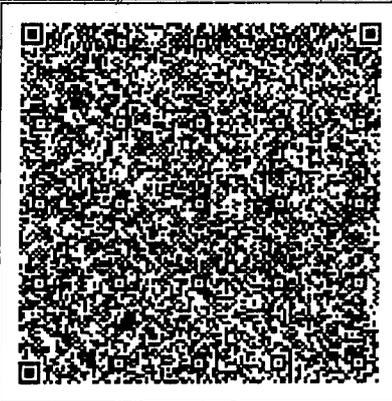
Signer: DS Bharat Petroleum Corporation Limited
Date: Fri, Mar 19, 2021 10:11:21 IST



Indian Oil Corporation Limited

INVOICE UNDER RULE 46(1) GST Rules

We hereby certify that the goods covered by this document have suffered applicable Taxes on clearance



Doc.Name & number TAX INVOICE WB5529341198

20242122B009273

IRN : 38e600641d89fd4d3817d4f2e1d54ce5705 0780f2638bc98f3988257272ce650

Form No AC4 31A Del Mode Road Ex-MI Cont Code

SAP Doc no.777167482 T.T.No. NLO1AF4594 Den@15 841.80

Date 08-Mar-24 Time 15:46 Rem.Date/Time

Code Name & Address Destn. C.E.Range C.E.Division GST Registration No. PAN

Supplier: 2122 (CIN:L23201MH1959GOI011388) HALDIA REFINERY Terminal HALDIA REFINERY, HALDIA P.O. Haldia Oil Refinery MIDNAPORE 721606 West Bengal(19) GSTIN 19AAACH681G1ZM AAACH1681G CST: 19200001230 LST: 19200001036

Recipient: 169274 (Mob No.-6205625255) THE TATA POWER COMPANY LTD. JOJOBERA JAMSHEDPUR JAMSHEDPUR 23109 831016 Jharkhand(20) GSTIN 20AAACT0054A2ZE AAACT0054A

Handwritten: 1-C-TA 1671/23-24

Handwritten: PO-4800021340

Handwritten: GRN 0001064854 09/03/24

Reverse Charge Applicable - No

Supplier TAN: DELI09652G PAYER - 169274 THE TATA POWER COMPANY LTD. Ordering Party: 169274 GSTIN 20AAACT0054A2ZE THE TATA POWER COMPANY LTD. JOJOBERA JAMSHEDPUR JAMSHEDPUR

Table with columns: Item, Material Code / Material Description, Place of supply, Quantity, Unit, Rate, Unit, HSN code, Total. Includes handwritten notes on density and temperature.

Table with columns: PL - cm, DIP - Cm, QT. Includes handwritten notes.

TATA POWER stamp with date 09/03/24 and other details.

Stamp with signature Doli Behra and date 09/03/24.

Handwritten: Seal NO-2694263X01 2694264X01

- Handwritten list of numbers: 119.8, 118.9, 120.8, 117.9, 146.0

Handwritten signature and date 09/03/24.

Delivery no. 0548696212 / Sales Order 0372386911 PO ref: NLO1AF4594 Seal/Lock no: 439 & 440:KEY:BLR T2 439 & BLR T2 440

This document is digitally signed Signer: AMAN VISHWAKARMA Date: Fri, Mar 8, 2024 15:47:14 IST

SHUBHAM ROADLINES

Bottom section with RECEIVED IN GOOD CONDITION, PREPARED BY, and CUSTOMER'S SIGNATURE/SEAL.

S R B C & CO LLP

Chartered Accountants

22, Camac Street
3rd Floor, Block 'B'
Kolkata - 700 016, India
Tel : +91 33 6134 4000**Independent Auditor's Report on Statement of monthly stock balance of various coal types at unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') of The Tata Power Company Limited**

To
The Board of Directors
The Tata Power Company Limited,
Bombay House,
24, Homi Mody Street,
Mumbai 400001.

1. This Report is issued in accordance with the terms of our service scope letter dated September 11, 2024 read with Master Engagement Agreement dated July 20, 2022 with The Tata Power Company Limited (hereinafter the "Company") having its Registered Office at Bombay House, 24, Homi Mody Street, Mumbai 400001, for the year ended March 31, 2024.
2. At the request of the management, we have examined the attached "Statement of monthly stock balance of various coal types at unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') of the Company" (hereinafter referred as the "Statement"), prepared by the Company based on books of accounts and other relevant records and documents underlying the audited standalone financial statements of the Company for the year ended March 31, 2024, which we have initialed for identification purposes only. This Report and the Statement are required by the Company for submission to Jharkhand State Electricity Regulatory Commission (JSERC) for the purpose of true up of tariff for the year ended March 31, 2024 required under para 23.5 read with para 25.2 of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020.

Management's Responsibility for the Statement

3. The preparation of the accompanying Statement is the responsibility of the Management of the Company including the preparation and maintenance of all accounting and other relevant supporting records and documents. This responsibility also includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the Statement and applying an appropriate basis of preparation and making estimates that are reasonable in the circumstances.
4. The Management is also responsible for ensuring that the Company complies with the requirements of and for providing all relevant information to the JSERC.

Auditor's Responsibility for the Statement

5. Pursuant to the request of the Company for its onward submission to JSERC as mentioned in paragraph 2 above, it is our responsibility to provide a limited assurance based on our examination whether monthly stock of various Coal Types at Jojobera division for the financial year ended March 31, 2024 as stated in the Statement have been extracted from the relevant books of accounts and records underlying the audited standalone financial statements for the year ended March 31, 2024.
6. We have audited the standalone financial statements of the company for the year ended March 31, 2024, on which we have issued an unmodified opinion vide our report dated May 8, 2024. Our audit of the standalone financial statements was conducted in accordance with the Standards on



Auditing, as specified under section 143(10) of the Companies Act 2013 and other applicable authoritative pronouncement issued by the Institute of Chartered Accountants of India ("ICAI"). Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the standalone financial statements are free of material misstatement. Our audits were not planned and performed in connection with any transactions to identify matters that may be of potential interest to third parties.

7. We conducted our examination of the Statement in accordance with the Guidance Note on Reports or Certificates for Special Purposes (revised) issued by the Institute of Chartered Accountants of India ("ICAI"). The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.
8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that Perform Audits and Reviews of Historical Financial Information, and Other Assurance and Related Services Engagements.
9. A limited assurance engagement involves performing procedures to obtain sufficient appropriate evidence on the reporting criteria mentioned in paragraph 5 above. The procedure performed vary in nature and timing from and are less extent that for, a reasonable assurance. Consequently, the level of assurance obtained is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement. Accordingly, we have performed the following procedures in relation to the Statement:
 - a) Obtained the statement of monthly stock balance of coal of various type at Jojobera division for the year ended March 31, 2024 containing details of month wise receipts and consumption of different types of coal as prepared and compiled by the Company based on information available as per MB51 report in the SAP (ERP used by the Company for its accounting purpose).
 - b) Traced the details of month wise receipts and consumption of various types of coal as stated in the statement to the material ledger (MB51 report) available in SAP. We have relied on such report and not performed any procedures.
 - c) Examined sample items of receipts and issue of various types of coal from the details provided to us by the Company on a test basis from the underlying information available in the ERP as stated in paragraph 10(a) above. We noted that separate purchase orders are issued for each vendor and receipts are recorded in the material ledger against the said purchase order for each of the selected sample. For issues, consumption is recorded material wise in the material ledger on the basis of the report received from coal logistics team. We have however not performed any procedures to ensure the completeness and accuracy of the details of the coal type wise prepared by the management.
 - d) Tested the arithmetical and clerical accuracy of the Statement.
 - e) Performed necessary inquires with the management and obtained necessary representations. The management has represented to us that the Company has complied with the requirements of the JSERC.
 - f) The above-mentioned procedures include examining evidence on a test basis supporting the particulars in this Statement. Further, our scope of work did not involve us performing audit test for the purposes of expressing an opinion on the fairness or accuracy of any of the financial information or the standalone financial statements of the Company taken as a whole.



S R B C & CO LLP

Chartered Accountants

Conclusion

10. Based on the procedures performed by us as referred to in paragraph 9 above and according to the information, explanation and management representations received by us, nothing has come to our attention that causes us to believe that the Statement showing monthly stock balance of various coal types at Jojobera Division of the Company for the year ended March 31, 2024 as stated in the Statement have not been accurately extracted from the relevant books of account and records underlying the audited standalone financial statements for the year ended March 31, 2024.

Restriction on Use

11. This report is addressed to and provided to the Board of Directors of the Company solely for the purpose mentioned in paragraph 2 above and should not be used by any other person or for any other purpose. Accordingly, we do not accept or assume any liability or any duty of care for any other purpose or to any other person to whom this report is shown or into whose hands it may come without our prior consent in writing. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

For S R B C & CO LLP

Chartered Accountants

ICAI Firm Registration Number: 324982E/E300003



per Sanjay Agarwal

Partner

UDIN No: 24055833BKFQXB2495

Membership Number: 055833



Place of Signature: Kolkata

Date: September 18, 2024

Statement of monthly stock balance of various coal types at unit # 1, 2, 3 and 4 of Jobbera generation plant (Jobbera Division) of the Company for the year ended March 31, 2024

Coal Types	Coal material codes	Material description	Particulars	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total			
MCL Coal	4300000036	COAL	Opening Stock	Ton	3,887	-	6,334	6,449	-	-	-	-	-	-	-	-	-	3,887		
			Receipts	Ton	4,133	8,323	3,253	-	-	-	-	-	-	-	-	-	-	181	15,891	
			Consumption	Ton	8,020	1,989	3,139	6,449	-	-	-	-	-	-	-	-	-	181	-	19,778
Tailing by Road Coal	4300000037	FUEL, COAL, MCL OR WESTBOCAKRO, JOJO WB	Closing Stock	Ton	-	6,334	6,449	-	-	-	-	-	-	-	-	-	-	-	-	
			Opening Stock	Ton	4,541	4,481	4,610	8,012	3,095	2,313	2,040	1,904	6,743	9,226	11,304	8,213	4,541	-	4,541	
			Receipts	Ton	60	129	6,153	4,917	762	274	1,839	3,094	4,529	1,420	24,924	-	-	-	-	26,414
WB Scrap Coal	4300000038	REJECT COAL, F/JO, JOBERA	Closing Stock	Ton	4,481	4,610	8,012	3,095	2,313	2,040	1,904	6,743	9,226	11,304	8,213	3,051	3,051	-	3,051	
			Opening Stock	Ton	2,684	2,644	2,644	523	-	-	-	-	-	-	-	-	-	-	-	2,684
			Receipts	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mahavir Coal	4300000100	FUEL, COAL,	Consumption	Ton	40	-	2,121	523	-	-	-	-	-	-	-	-	-	-	2,684	
			Closing Stock	Ton	2,644	2,644	523	-	-	-	-	-	-	-	-	-	-	-	-	-
			Opening Stock	Ton	21,534	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21,534
2 Product Coal	4300000059	FUEL, COAL, MCL OR WESTBOCAKRO, WASH ERY	Consumption	Ton	21,534	-	-	-	-	-	-	-	-	-	-	-	-	-	21,534	
			Closing Stock	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Opening Stock	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MCL Shakti	4300000180	FUEL, SHAKTI COAL MCL,	Receipts	Ton	19,811	16,500	17,339	12,256	13,412	22,312	17,176	30,866	20,368	14,313	30,852	16,470	-	-	19,811	
			Consumption	Ton	14,224	7,100	7,965	16,308	27,711	10,694	23,128	15,626	31,730	7,617	15,626	31,730	7,617	-	-	16,953
			Closing Stock	Ton	17,534	6,261	13,068	15,152	18,811	16,030	9,439	26,124	6,054	15,192	21,999	22,246	18,711	-	-	18,711
WB Middling New	4300000200	FUEL, MIDDLING - CPP,	Opening Stock	Ton	16,500	17,339	12,256	13,412	22,312	17,176	30,866	20,368	14,313	30,852	16,470	1,853	-	-	1,853	
			Receipts	Ton	-	49,344	-	17,311	713	-	-	-	-	-	-	-	-	-	-	-
			Consumption	Ton	-	32,033	16,599	713	-	-	-	-	-	-	-	-	-	-	-	-
WB Middling New	4300000201	FUEL, MIDDLING - PP,	Opening Stock	Ton	29,779	7,211	-	-	-	11,265	14,082	6,921	-	-	-	-	-	-	29,779	
			Receipts	Ton	30,270	-	-	-	-	14,858	26,393	4,016	-	-	-	-	-	-	-	
			Consumption	Ton	52,839	7,211	-	-	-	3,593	23,576	11,178	6,921	-	-	-	-	-	-	
CCL Coal	4300000130	CCL WASHED COAL	Opening Stock	Ton	7,211	428	1,484	428	18,867	46,211	44,636	43,377	37,184	29,026	23,642	9,586	2,211	24,235	24,235	
			Receipts	Ton	11,556	23,303	18,993	39,129	3,921	3,947	-	-	-	-	-	-	-	-	-	-
			Consumption	Ton	16,272	22,248	16,100	11,784	5,496	5,207	6,193	8,159	17,431	14,056	6,731	14,165	1,407	1,293	350	1,407
NCL	4300000062	COAL, GRADE: G9	Opening Stock	Ton	7,145	2,724	2,819	10,399	25,379	15,897	13,272	8,039	-	-	-	-	-	-	7,145	
			Receipts	Ton	7,750	3,671	8,081	15,967	3,882	7,847	4,013	-	-	-	-	-	-	-	-	-
			Consumption	Ton	12,171	3,776	501	987	13,463	10,472	9,246	8,039	-	-	-	-	-	-	-	-
ECL SHAKTI	4300000182	FUEL, SHAKTI COAL ECL,,	Opening Stock	Ton	2,724	2,819	10,399	25,379	15,897	13,272	8,039	-	-	-	-	-	-	-	-	
			Receipts	Ton	7,796	-	15,777	3,859	11,937	3,778	11,792	7,802	7,952	-	-	-	-	-	-	-
			Consumption	Ton	-	-	22,559	1,015	15,795	-	11,242	11,076	1,297	11,628	7,646	63	82,321	-	-	82,321
ECL	4300000050	COAL, GRADE: G4	Opening Stock	Ton	7,796	7,796	1,015	3,858	-	3,778	4,328	1,054	7,708	3,887	-	-	-	-	-	
			Receipts	Ton	35,102	9,352	16,034	6,153	7,558	7,234	4,812	6,319	3,911	8,252	18,959	19,014	35,102	-	-	35,102
			Consumption	Ton	25,759	20,963	9,890	10,134	8,227	10,189	10,965	8,852	10,271	8,517	3,663	11,030	1,38,800	-	-	1,38,800
			Closing Stock	Ton	9,582	16,034	6,153	7,558	7,234	4,812	6,319	3,911	8,252	18,959	19,014	15,866	-	-	15,866	



Statement of monthly stock balance of various coal types at unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') of the Company for the year ended March 31, 2024

Coal Types	Coal material codes	Material description	Particulars	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total			
CCL Shakti	4300000181	FUEL, SHAKTI COAL CCL,	Opening Stock	Ton	-	10,531	5,631	14,995	17,775	8,452	2,106	-	-	-	-	-	-			
			Receipts	Ton	7,588	27,443	11,968	19,785	15,321	26,690	44	-	-	-	-	-	-	-	1,40,417	
			Consumption	Ton	7,588	27,047	32,343	2,504	17,005	33,036	2,150	-	-	-	-	-	-	-	-	1,40,417
CCL Shakti -WIV	4300000220	FUEL, WASHERY COAL CCL,	Opening Stock	Ton	-	10,531	5,631	14,995	17,775	8,452	2,106	-	-	-	-	-	-	-		
			Receipts	Ton	33,865	68,148	24,954	2,052	-	-	-	-	-	-	-	-	-	-	-	33,865
			Consumption	Ton	55,968	16,044	7,683	-	-	-	-	-	-	-	-	-	-	-	-	-
ECL-IPP	4300000280	FUEL, ECL AUCTION COAL-IPP	Opening Stock	Ton	20,936	59,227	30,786	2,092	-	-	-	-	-	-	-	-	-	-		
			Receipts	Ton	68,148	24,954	2,052	-	-	-	-	-	-	-	-	-	-	-	-	4,855
			Consumption	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCL SFA	4300000241	FUEL, SPECIAL FORWARD AUCTION COAL,	Opening Stock	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
			Receipts	Ton	3,882	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			Consumption	Ton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCL Shakti R-III	4300000230	FUEL, COAL SHAKTI ROUND # 3,	Opening Stock	Ton	6,549	8,836	0	32,889	11,266	20,876	12,851	-	-	-	-	-	-	-		
			Receipts	Ton	11,485	-	34,760	63,312	62,639	38,925	19,559	62,663	59,515	44,949	39,595	44,833	44,833	44,833	4,92,137	
			Consumption	Ton	9,198	8,836	1,862	84,944	53,030	46,950	32,410	47,933	52,957	57,974	41,896	37,869	37,869	4,75,469		
TOTAL COAL			Opening Stock	Ton	1,70,161	1,32,002	1,11,867	1,04,978	1,25,774	1,42,309	1,19,840	87,666	75,831	75,831	84,520	93,142	77,737	1,70,161		
			Receipts	Ton	1,53,782	1,67,337	1,30,326	1,62,141	1,52,786	1,14,872	1,01,939	1,07,221	1,08,140	1,20,910	1,20,910	1,20,910	1,20,910	1,20,910	15,01,011	
			Consumption	Ton	1,97,942	1,87,472	1,37,217	1,41,344	1,36,202	1,37,341	1,23,174	88,232	1,09,617	95,599	95,599	95,599	95,599	95,599	15,86,987	
TOTAL COAL			Opening Stock	Ton	1,32,002	1,11,867	1,04,978	1,25,774	1,42,309	1,19,840	87,666	75,831	75,831	84,520	93,142	77,737	77,737	84,785		
			Receipts	Ton	1,53,782	1,67,337	1,30,326	1,62,141	1,52,786	1,14,872	1,01,939	1,07,221	1,08,140	1,20,910	1,20,910	1,20,910	1,20,910	1,20,910	15,01,011	
			Consumption	Ton	1,97,942	1,87,472	1,37,217	1,41,344	1,36,202	1,37,341	1,23,174	88,232	1,09,617	95,599	95,599	95,599	95,599	95,599	15,86,987	

Note:
 1) Quantity receipt and consumed has been extracted from the Material Register (MBR) report in SAP and Statutory Auditors have relied on the same.
 2) Opening stock of coal as on April 1, 2023 and closing stock of coal as on March 31, 2024 has been extracted based on MISB report available in SAP and statutory auditors have relied on the same.



For and on behalf of The Tata Power Company Limited
 Jagmit Singh Sidhu
 Chief, Jamshedpur Operations
 Place : Jojobera, Jamshedpur, 831016
 Date : 13.09.2024

Independent Auditor's Report on Statement of monthly stock balance of light diesel oil (LDO) at unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') of The Tata Power Company Limited

To
The Board of Directors
The Tata Power Company Limited,
Bombay House,
24, Homi Mody Street,
Mumbai 400001.

1. This Report is issued in accordance with the terms of our service scope letter dated September 11, 2024 read with Master Engagement Agreement dated July 20, 2022 with The Tata Power Company Limited (hereinafter the "Company") having its Registered Office at Bombay House, 24, Homi Mody Street, Mumbai 400001, for the year ended March 31, 2024.
2. At the request of the management, we have examined the attached "Statement of monthly stock balance of light diesel oil (LDO) at unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') of the Company" (hereinafter referred as the "Statement"), prepared by the Company based on books of accounts and other relevant records and documents underlying the audited standalone financial statements of the Company for the year ended March 31, 2024, which we have initialed for identification purposes only. This Report and the Statement are required by the Company for submission to Jharkhand State Electricity Regulatory Commission (JSERC) for the purpose of true up of tariff for the year ended March 31, 2024 required under para 23.5 read with para 25.2 of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020.

Management's Responsibility for the Statement

3. The preparation of the accompanying Statement is the responsibility of the Management of the Company including the preparation and maintenance of all accounting and other relevant supporting records and documents. This responsibility also includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the Statement and applying an appropriate basis of preparation and making estimates that are reasonable in the circumstances.
4. The Management is also responsible for ensuring that the Company complies with the requirements of and for providing all relevant information to the JSERC.

Auditor's Responsibility for the Statement

5. Pursuant to the request of the Company for its onward submission to JSERC as mentioned in paragraph 2 above, it is our responsibility to provide a limited assurance based on our examination whether the details of monthly stock of LDO at Jojobera division for the financial year ended March 31, 2024 as stated in the Statement have been extracted from the relevant books of accounts and records underlying the audited standalone financial statements for the year ended March 31, 2024.



6. We have audited the standalone financial statements of the Company for the year ended March 31, 2024 on which we have issued an unmodified opinion vide our report dated May 8, 2024. Our audit of the standalone financial statements was conducted in accordance with the Standards on Auditing, as specified under section 143(10) of the Companies Act 2013 and other applicable authoritative pronouncement issued by the Institute of Chartered Accountants of India ("ICAI"). Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the standalone financial statements are free of material misstatement. Our audits were not planned and performed in connection with any transactions to identify matters that may be of potential interest to third parties.
7. We conducted our examination of the Statement in accordance with the Guidance Note on Reports or Certificates for Special Purposes (revised) issued by the Institute of Chartered Accountants of India ("ICAI"). The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.
8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that Perform Audits and Reviews of Historical Financial Information, and Other Assurance and Related Services Engagements.
9. A limited assurance engagement involves performing procedures to obtain sufficient appropriate evidence on the reporting criteria mentioned in paragraph 5 above. The procedure performed vary in nature and timing from and are less extent that for, a reasonable assurance. Consequently, the level of assurance obtained is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement. Accordingly, we have performed the following procedures in relation to the Statement:
 - a) Obtained the statement of monthly stock balance of LDO of Jojobera division for the year ended March 31, 2024 as extracted from the material management module of the unit's ERP system.
 - b) Traced the opening stock and closing stock as at April 1, 2023 and March 31, 2024 respectively as stated in the Statement with the physical verification report as received from the Company.
 - c) Traced the details of the month wise receipt and consumption of LDO as prepared and compiled by the Company based on information available in the SAP (ERP used by the Company for its accounting purpose) to the material ledger (MB51 report) available in SAP. We have relied on such report and not performed any procedures.
 - d) Tested the arithmetical and clerical accuracy of the Statement.
 - e) Performed necessary inquires with the management and obtained necessary representations. The management has represented to us that the Company has complied with the requirements of the JSERC.
 - f) The above-mentioned procedures include examining evidence on a test basis supporting the particulars in this Statement. Further, our scope of work did not involve us performing audit test for the purposes of expressing an opinion on the fairness or accuracy of any of the financial information or the standalone financial statements of the Company taken as a whole.

Conclusion

10. Based on the procedures performed by us as referred to in paragraph 9 above and according to the information, explanation and management representations received by us, nothing has come to our attention that causes us to believe that the Statement showing monthly stock balance of light diesel oil (LDO) at Jojobera Division of the Company for the year ended March 31, 2024 as



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Chartered Accountants

stated in the Statement have not been accurately extracted from the relevant books of account and records underlying the audited standalone financial statements for the year ended March 31, 2024.

Restriction on Use

11. This report is addressed to and provided to the Board of Directors of the Company solely for the purpose mentioned in paragraph 2 above and should not be used by any other person or for any other purpose. Accordingly, we do not accept or assume any liability or any duty of care for any other purpose or to any other person to whom this report is shown or into whose hands it may come without our prior consent in writing. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

For S R B C & C O L L P
Chartered Accountants
ICAI Firm Registration Number: 324982E/E300003



per Sanjay Agarwal
Partner
UDIN No: 24055833BKFQXE6673
Membership Number: 055833



Place of Signature: Kolkata
Date: September 18, 2024

Statement of monthly stock balance of light diesel oil (LDO) at unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') of the Company for the year ended March 31, 2024

Particular	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
Opening Stock	Kilo Litre (kl)	686.27	824.77	778.41	737.27	815.91	829.76	530.15	521.66	701.84	553.48	677.48	655.88	686.27
Receipts	Kilo Litre (kl)	150.00	-	-	100.00	50.00	150.00	250.00	200.00	-	200.00	100.00	100.00	1,300.00
Consumption	Kilo Litre (kl)	-11.50	-46.36	-41.14	-21.36	-36.15	-449.61	-258.49	-19.83	-148.36	-76.00	-121.60	-92.00	-1,322.39
Closing Stock	Kilo Litre (kl)	824.77	778.41	737.27	815.91	829.76	530.15	521.66	701.84	563.48	677.48	655.88	663.88	663.88

Note-

- Quantity receipt and consumed has been extracted from the material ledger (i.e. MBS1 report) in SAP and statutory auditors have relied on the same.
- Stock balance as on April 1, 2023 and March 31, 2024 has been extracted based on MBSB report available in SAP and statutory auditors have relied on the same.

For and on behalf of The Tata Power Company Limited



Jagmit Singh Sidhu
Chief- Jamshedpur Operations
Place : Jojobera, Jamshedpur, 831016
Date : 13.09.2024

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

Independent Auditor's Report on Statement of unit wise & month wise consumption and consumption rate of light diesel oil (LDO) of unit 2 and unit 3 ('Regulated Units') of Jojobera generation plant ('Jojobera Division') of The Tata Power Company Limited

To
The Board of Directors
The Tata Power Company Limited,
Bombay House,
24, Homi Mody Street,
Mumbai 400001

1. This Report is issued in accordance with the terms of our service scope letter dated September 11, 2024 read with Master Engagement Agreement dated July 20, 2022 with The Tata Power Company Limited (hereinafter the "Company") having its Registered Office at Bombay House, 24, Homi Mody Street, Mumbai 400001, for the year ended March 31, 2024.
2. At the request of the management, we have examined the attached "Statement of unit wise & month wise consumption and consumption rate of light diesel oil (LDO) of unit 2 and unit 3" ('Regulated Units') of Jojobera generation plant ('Jojobera Division') of the Company (hereinafter referred as the "Statement"), prepared by the Company based on books of accounts and other relevant records and documents underlying the audited standalone financial statements of the Company for the year ended March 31, 2024, which we have initialed for identification purposes only. This Report and the Statement are required by the Company for submission to Jharkhand State Electricity Regulatory Commission (JSERC) for the purpose of true up of tariff for the year ended March 31, 2024 required under para 23.5 read with para 25.2 of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020. Unit 2 and Unit 3 are regulated units which are regulated by JSERC.

Management's Responsibility for the Statement

3. The preparation of the accompanying Statement is the responsibility of the Management of the Company including the preparation and maintenance of all accounting and other relevant supporting records and documents. This responsibility also includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the Statement and applying an appropriate basis of preparation and making estimates that are reasonable in the circumstances.
4. The Management is also responsible for ensuring that the Company complies with the requirements of and provides all relevant information to the JESRC.

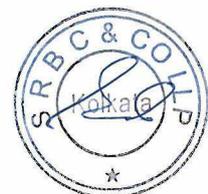
Auditor's Responsibility for the Statement

5. Pursuant to the request of the Company for its onward submission to JSERC as mentioned in paragraph 2 above, it is our responsibility to provide a limited assurance based on our examination whether unit wise & month wise Consumption and Consumption rate of LDO of regulated units at Jojobera division for the financial year 2023-24 as stated in the Statement have been extracted from



the relevant books of account and records underlying the audited standalone financial statements for the year ended March 31, 2024.

6. We have audited the standalone financial statements of the Company for the year ended March 31, 2024, on which we have issued an unmodified opinion vide our report dated May 8, 2024. Our audit of the standalone financial statements was conducted in accordance with the Standards on Auditing, as specified under section 143(10) of the Companies Act 2013 and other applicable authoritative pronouncement issued by the Institute of Chartered Accountants of India ("ICAI"). Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the standalone financial statements are free of material misstatement. Our audits were not planned and performed in connection with any transactions to identify matters that may be of potential interest to third parties.
 7. We conducted our examination of the Statement in accordance with the Guidance Note on Reports or Certificates for Special Purposes (revised) issued by the Institute of Chartered Accountants of India ("ICAI"). The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.
 8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that Perform Audits and Reviews of Historical Financial Information, and Other Assurance and Related Services Engagements.
-
9. A limited assurance engagement involves performing procedures to obtain sufficient appropriate evidence on the reporting criteria mentioned in paragraph 5 above. The procedure performed vary in nature and timing from and are less extent that for, a reasonable assurance. Consequently, the level of assurance obtained is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement. Accordingly, we have performed the following procedures in relation to the Statement:
 - a) Obtained the statement of unit wise & month wise consumption and consumption rate of LDO for the year ended March 31, 2024.
 - b) The ERP system of Jojobera Division has been configured to record unit wise consumption of LDO and is identified by unique cost center assigned to each unit.
 - c) Traced the quantity of LDO consumed and its consumption rate at unit 2 and unit 3 of Jojobera division with the relevant books of accounts and other records underlying the audited standalone financial statements.
 - d) Made corroborative enquiries to understand the controls around booking of consumption of LDO.
 - e) We have traced the month-wise and unit wise details of consumption as extracted from SAP ERP system (MB51 report) with the statement prepared by the company. We have relied on such report and have not performed any procedures.
 - f) We verified the arithmetical accuracy of the computation of consumption rate per kilo liter by dividing the consumption value with the total quantity consumed and reconciling the same with the statement received from the client.
 - g) Performed necessary inquires with the management and obtained necessary representations. The management has represented to us that the Company has complied with the requirements of the JSERC.
 - h) The above-mentioned procedures include examining evidence on a test basis supporting the particulars in this Statement. Further, our scope of work did not involve us performing audit test



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for the purposes of expressing an opinion on the fairness or accuracy of any of the financial information or the standalone financial statements of the Company taken as a whole.

Conclusion

10. Based on the procedures performed by us as referred to in paragraph 9 above and according to the information, explanation and management representations received by us, nothing has come to our attention that causes us to believe that the Statement showing unit wise & month wise Consumption and consumption rate of LDO of unit 2 and unit 3 at Jojobera division for the year ended March 31, 2024 as stated in the Statement have not been accurately extracted from the relevant books of account and records underlying the audited standalone financial statements for the years ended March 31, 2024.

Restriction on Use

11. This report is addressed to and provided to the Board of Directors of the Company solely for the purpose mentioned in paragraph 2 above and should not be used by any other person or for any other purpose. Accordingly, we do not accept or assume any liability or any duty of care for any other purpose or to any other person to whom this report is shown or into whose hands it may come without our prior consent in writing. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

For S R B C & CO LLP
Chartered Accountants
ICAI Firm Registration Number: 324982E/E300003


per Sanjay Agarwal
Partner
UDIN No: 24055833BKFQXF8814
Membership Number: 055833



Place of Signature: Kolkata
Date: September 18, 2024

Statement of unit wise & month wise consumption and consumption rate of light diesel oil (LDO) of unit 2 and unit 3" ("Regulated Units") of Jojobera generation plant ("Jojobera Division") of the Company
For the year ended March 31, 2024

FY 2023-24

Unit 2	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
LDO Consumption (A)	Kilo Litre (KL)	2.00	1.00	0.50	10.00	1.50	196.50	35.00	3.00	2.50	66.00	2.00	4.00	324.00
LDO Consumption Value (B)	Rs	1,52,927	76,330	38,165	7,57,972	1,13,069	1,51,90,858	28,61,991	2,47,715	2,06,429	52,93,649	1,59,121	3,16,094	2,54,14,321
LDO Consumption Rate (B/A)	Rs/KL	76,464	76,330	76,330	75,797	75,379	77,307	81,771	82,572	82,572	80,207	79,561	79,023	78,439
Unit 3	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
LDO Consumption (A)	Kilo Litre (KL)	2.00	11.50	0.50	5.00	5.00	82.61	33.50	3.00	129.00	4.00	2.50	33.00	311.61
LDO Consumption Value (B)	Rs	1,52,927	8,77,794	38,165	3,78,986	3,76,897	63,86,036	27,39,334	2,47,715	1,06,51,744	3,20,827	1,98,902	26,07,773	2,49,77,100
LDO Consumption Rate (B/A)	Rs/KL	76,464	76,330	76,330	75,797	75,379	77,307	81,771	82,572	82,572	80,207	79,561	79,023	80,156

Note:

- Quantity consumed and value of consumption has been extracted from the material consumption register (MB 51 Report) in SAP and Statutory Auditors have relied on the same.

For and On Behalf of The Tata Power Company Limited



Jagmit Singh Sidhu
Chief - Jamshedpur Operations
Place : Jojobera, Jamshedpur, 831016
Date : 13.09.2024

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

Tax Invoice

 <p>Eastern Coalfields Limited Sanctoria, Dist.-Paschim Bardhaman P.O.-Disbergarh, Postal Code.-713333 0341-2520052-53 0341-2523574 WWW.EASTERNCOAL.GOV.IN</p>	Supplier Legal Name : Eastern Coalfields Limited(Sonepur Bazari)	Area Code : E007	
	Supplier Address : Sonepur Bazari Colliery	Area Description : Sonepur Bazari	
	Supplier City : P.O.- Bahula Dist.- Paschim Bardhaman	Invoice Number : ECL232723000370	
	Supplier State : West Bengal	SAP ref. Inv. No. : 9400246471	
	Supplier Pincode : 713322	Invoice Date : May 24, 2023	
	Supplier GSTIN : 19AAACE7590E1Z1	Contract Reference:3040010839	
	Supplier CIN : U10101WB1975GGI030295	Sector : Power	
		Sales Order : 3250027677	
		Sale Order Date : Apr 1, 2023	
		Delivery Number : 8001844903	
		Mode Of Dispatch : RAIL	
	IRN No: 952db3e05c600674e139e63c974532d61dda5ab43a14505923e653ad006fd11		
	8231365702444		

Receiver(Billed To)		Consignee(Shipped to)		Details of Dispatch	
Name	: THE TATA POWER COMPANY LTD JOJOBERA POWER PLANT	Name	: THE TATA POWER COMPANY LTD JOJOBERA POWER PLANT	PI. No.	: 6170089215
Party Code	: 2000000469	Party Code	: 2000000469	PI. Date	: Apr 8, 2023
Address	: PO-RAHARGORA EAST SINGHBHUM EAST SINGHBHUM 831016	Address	: PO-RAHARGORA EAST SINGHBHUM 831016	RR_NO	: 00462000069
City	: EAST SINGHBHUM	City	: EAST SINGHBHUM	RR_DATE	: May 20, 2023
Pincode	: 831016	Pincode	: 831016	Net Weight	: 4,036.38
State	: Jharkhand	State	: Jharkhand	DNote No.	: 172698
Phone number:		Phone number:		DNote date	: May 20, 2023
GSTIN	: 20AAACT0054A2ZE	GSTIN	: 20AAACT0054A2ZE	Siding	: NEW SIDING (PSBP)
E-Mail ID	: jojocoalbills@tatapower.com	E-Mail ID	: jojocoalbills@tatapower.com	Loading Date	: May 24, 2023
		DESTN	: PTJT	Rake sq. no.	: 00000004
				No. of Wagons	: 0
				Rake Program ID	:
				STC Slab	: (3-10KM)

SAP Del No.	Mine	Material	Grade/Size	GCV	Material Description	HSN Code	UOM	STC Charges	Basic Rate	Billed Quantity
8001844903	Sonepur Bazari OC	400000152	G4/-100 MM STEAM	6100-6400	NON-COKING COAL	27011200	TE	71.00	4058.00	4036.38

PARTICULARS		Rate Per TE (INR)	Amount (INR)
Pricing Description			
Basic Price		4058.00	16379630.04
Sizing Charges		87.00	351165.06
STC Charges		71.00	286582.98
FWD Charges		1.00	4036.38
Evac Facility Charge		60.00	242182.80
Royalty Charges		6.50	26236.47
NET Charges(2% of Royalty)			524.73
DMF(30% of Royalty)			7870.94
Rural Emplmnt Cess(20.00 % of Notified Price)		602.00	2429900.76
Primary Edu Cess(5.00 % of Notified Price)		150.50	607475.19
AMBH Cess		1.00	4036.38
Assessable Value		5039.08	20339641.73
IGST(5% of Assessable Value)			1016982.09
GST Comp Cess		400.00	1614552.00
Gross Bill Value		5691.03	22971175.82
Cess Underloading Charges(0.000 TE)			0.00
Net Value		5691.03	22971175.82
		Total Amount:	22971175.82

Sales Order Quantity: 11.688
 Billed Quantity: 12,146.24
 Delivered Quantity: 466.26
 Balance Coal Value: -591,422.77

Remarks/Note/ Declaration

Reverse Charge Applicable: No

Total Bill Value In words : TWO CRORE TWENTY NINE LAKH SEVENTY ONE THOUSAND ONE HUNDRED SEVENTY FIVE RUPEES EIGHTY TWO PAISE

Certified that the particulars given above are true and correct and the amount indicated represents the price actually charged and that there is no flow of additional consideration directly or indirectly from the buyer.

This is digitally verified document hence manual/ physical signature is not required

Area : Sonepur Bazari
 Telephone : 0341-2667483
 Fax Number : 0341-2667274
 E-Mail Address :

11466 JPP w. → 3980.05

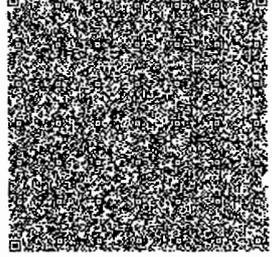
22/05/23 RR w. → 4036.38

RR → 462000069

PO → 45-1461

(Signature)
 30/05/23

Tax Invoice

 CCL A Government of India Undertaking A Miners Company	Supplier Legal Name: Central Coalfields Limited Supplier Address: Darbhanga House, Kutchery Rd, Ranchi Supplier City: Ranchi Supplier State: Jharkhand Supplier Pincode: 834029 Supplier GSTIN: 20AAACC7476RHZT Supplier CIN: U10200JH1956GOI000581 Supplier Email: Supplier Phone: 0651 236	Area Code: CO06 Area Description: Magadh&Sanghmitr Invoice Number: CCL231923002408 SAP ref. Inv. No.: 9320225817 Invoice Date: Sep 14, 2023 Contract Reference: 3093000084 Contract Type: FSA Linkage Sales Order: 3345040047 Sale Order Date: Aug 29, 2023 Delivery Number: 8002235326 Mode Of Dispatch: RAIL	
	CENTRAL COALFIELDS LIMITED (Subsidiary of Coal India Limited) Darbhanga House, Kutchery Rd. Morabadi, Ranchi (JH) 0651-2360687 0651-2360257		
IRN No: 95953f9c0f985a59948d9447624b721a8b841e110e08b9413b7debl2a1908aa7			

Receiver (Billed To)		Consignee (Shipped to)		Details of Dispatch	
Name	: THE TATA POWER COMPANY LTD JOJOBERA POWER PLANT	Name	: THE TATA POWER COMPANY LTD JOJOBERA POWER PLANT	PI. No.	: 6170111726
Party Code	: 2000000469	Party Code	: 2000000469	PI. Date	: Aug 29, 2023
Address	: PO-RAHARGORA EAST SINGHBHUM EAST SINGHBHUM 831016	Address	: PO-RAHARGORA EAST SINGHBHUM 831016	RR_NO	: 00162002849
City	: EAST SINGHBHUM	City	: EAST SINGHBHUM	RR_DATE	: Sep 14, 2023
Pincode	: 831016	Pincode	: 831016	Net Weight	: 1,378.83
State	: Jharkhand	State	: Jharkhand	DNote No.	: 003501
Phone number:		Phone number:		DNote date	: Sep 14, 2023
GSTIN	: 20AAACT0054A22E	GSTIN	: 20AAACT0054A22E	Siding	: PULBASYA 4 (PLCP) (LS08)
E-Mail ID	: jojocoalbills@tatapower.com	E-Mail ID	: jojocoalbills@tatapower.com	Rake sq. no.	: 00001510
				Sanction No.	: CMP/DHN/CCL/C/ELC/JH/DHKP/ SEP2023/PHC/140
				STC Slab	: (Above 20RM)

SAP Del No.	Mine	Material	Grade/Size	GCV	Material Description	HSN Code	UOM	STC Charges	Basic Rate	Billed Quantity
8002235326	MAGADH OCP	4100000000	G12/-100 MM	3700-4000	NON-COKING COAL	27011200	TE	453.68	896.00	1378.83

Pricing Description		Rate Per TE (INR)	Amount (INR)
Basic Price		896.00	1235431.68
Sizing Charges		87.00	119958.21
STC Charges		453.68	625547.59
Evac Facility Charge		60.00	82729.80
Management Fees		1.00	1378.83
Covid cess		10.00	13788.30
Royalty Charges (14.00 % of Basic Price)		125.44	172960.44
NMET Charges (2.00 % of Royalty)		2.51	3459.21
DMF (30.00 % of Royalty)		37.63	51888.13
Forest Transit Fee		57.00	78593.31
Reimbursement of CUF		60.00	82729.80
GST Taxable Value		1790.26	2468465.30
CGST (2.5%)			61711.63
SGST (2.5%)			61711.63
GST Comp Cess		400.00	551532.00
Gross Bill Value		2279.77	3143420.56
Less Underloading Charges (2.930 TE)		797.20	2335.80
Net Value		2278.08	3141084.76

Total Amount: 3141084.76

Remarks/Note/ Declaration

Reverse Charge Applicable: No

Total Bill Value In words : THIRTY ONE LAKH FORTY ONE THOUSAND EIGHTY FOUR RUPEES SEVENTY SIX PAISE

Certified that:

1. Bill has been claimed as per the price of the coal and taxes/duties applicable on the date of dispatch.
2. Statutory taxes / duties are actually payable and will be paid to the statutory authority.
3. Adjustment if any required, will be made through debit/ credit notes.
4. The particulars given above are true and correct.

Rake - 11600
16/09/2023

RR - 4070.61
JPP - 4194.10

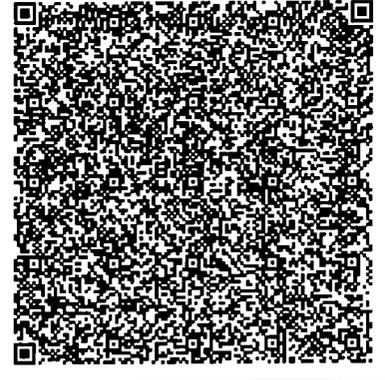
P.O - 45 - 1500



Indian Oil Corporation Limited

INVOICE UNDER RULE 46 of GST Rules

We hereby certify that the goods covered by this document have suffered applicable Taxes on clearance



Doc.Name TAX INVOICE
& number WB5529314914

20242122B008494

IRN :
c1fd92e7ae66c407432eaf3fe98a5c47a8a9
514491cd04e57480a65b9c7170f

Form No AC4 31A
Del Mode Road
Cont Code Ex-MI

SAP Doc no.776253314
T.T.No. WB786037
Den@15 837.90

Date 13-Feb-24
Time 09:58
Rem.Date/Time

Supplier
Code Name & Address
Destn.
C.E.Range
C.E.Division
GST Registration No.
PAN

2122 (CIN:L23201MH1959GOI011388)
Haldia Refinery Terminal
HALDIA REFINERY, HALDIA
P.O. Haldia Oil Refinery
MIDNAPORE
721606
West Bengal(19)
GSTIN 19AAACI1681G1ZM
AAACI1681G
CST: 19200001230
LST: 19200001036
Supplier TAN: DELI09652G

Handwritten: I.C.No. 1559/2322

Recipient
Code Name & Address
Destn.
C.E.Range
C.E.Division
GST Registration No.
PAN

169274 (Mob No.-6205625255)
THE TATA POWER COMPANY LTD.
JOJOBERA
JAMSHEDPUR
JAMSHEDPUR
831016
Jharkhand(20)
GSTIN 20AAACT0054A2ZE
AAACT0054A

Handwritten: 90-4800021316

Reverse Charge Applicable - No

PAYER - 169274 THE TATA POWER COMPANY LTD.

Ordering Party: 169274
GSTIN 20AAACT0054A2ZE
THE TATA POWER COMPANY LTD.
JOJOBERA
JAMSHEDPUR
JAMSHEDPUR

Handwritten: GIRN 5001053272 16/02/24

Item	Material Code / Material Description	Place of supply	Quantity	Unit	Rate	Unit	HSN code	Total
10	60000 LDO-LIGHT DIESEL OIL	Jharkhand(20)	25.000	KL			271019	
	ZAVL Transaction Value		25.000	KL	64460.000	KL		1611500.00
	ZDB1 Spl Discount-Pre Tax				-2100.000	KL		-52500.00
	Taxable Value		25.000	KL	62360.000	KL		1559000.00
	JOIG IN: Integrated Tax				18.000	%		280620.00
	Density@15: 837.900						Total for material	1839620.00
	Bay No.: 01							
Total								1839620.00

Handwritten: Time - 12:30 pm
Temp - 22°C
Density - 70.8310
Density at 15°C - 70.8359

PL - cm	DIP - Cm	QTY - kl
180.1	136.6	5.00
180.8	136.5	5.00
181.5	136.9	5.00
179.0	136.5	5.00
180.7	132.7	5.00

TATA POWER
Date: 16/02/2024
Time: 10:45
MCF No: 21003
R. Sl. No: 12307
S/Sl. No: Dal Behra

TATA POWER JOJOBERA
PHYSICAL VERIFICATION OF ITEM
SIGNATURE: Dal Behra
DATE: 16/02/2024

Handwritten: 324358X1
324355X1
324358X1

- 1) 136.6
- 2) 136.6
- 3) 137.0
- 4) 136.4
- 5) 132.8

Handwritten: We have found total shortage of 10 cum of Chlorine both of Tanks
P.O. Date

Delivery no. 0547998126 / Sales Order 0371512240
PO ref: WB786037
Seal/Lock no: 439 & 440:KEY:BLR T2 439 & BLR T2 440

This document is digitally signed
Signer: AMAN VISHWAKARMA
Date: Tue, Feb 13, 2024 09:58:20 IST

INR Eighteen lakh thirty nine thousand six hundred and twenty only.	RECEIVED IN GOOD CONDITION. TPOC has no liability for any damage to the supply for own use only & to indemnify IOC	PREPARED BY: Mintu Mishra 00511532	PAGE No 1 / 1	Original for Recipient
Certified that the particulars given above are true and correct and the amount indicated represents the price actually charged and that there is no flow of additional consideration directly or indirectly from the buyer.	CUSTOMER'S SIGNATURE / SEAL	TRANSPORTER'S AUTH REP SIGNATURE/SEAL	Manager	For: INDIAN OIL CORPORATION LTD

Invoice No. 2023-24/01
Date: 01.05.2023**Unit 2 – 120 MW Regulated Capacity**
Unit 3 – 120 MW Regulated Capacity**TATA STEEL LIMITED**
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited ("Purchaser") by The Tata Power Company Limited, ("Seller") based on the order passed by the Hon'ble Commission in Multi Year Tariff (MYT) Petition (Case No. 10 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 ("Generation Tariff Regulations 2020"). As per the above-mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st April 2023 to 30th April 2023
2. Due Date: Is due and payable on 29th June 2023

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF/Generation respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

A handwritten signature in blue ink, appearing to be 'S. D.'.

Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Appendix A1 – Details of Unit 2

Particulars		UoM	Apr-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.56%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	80750592
	Ex-bus Generation for the Month	kWh	74473104
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88825000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.720
	3.2 Total Energy Charges for the Month due	Rs	202566844
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2023-24	Kwh	7642704
	4.2 Total Incentive for the Month due	Rs	5106575
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1279385
	5.2 Coal Cost Adjustment	Rs	49662145
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	50941529
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)		Rs 347439948
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2298134
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs.	0
8.0	Total Amount for the Current Billing Period (Rupees Thirty Four Crore Fifty One Lakh Fourty One Thousand Eight Hundred and Fourteen Only)	Rs	345141814

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Appendix B1: Detailed Computation of Capacity Charges, Energy Charges & Incentive

1. Monthly Availability for Regulated Capacity - Unit 2		
Unit	2	Apr-23
Particulars	UoM	Value
Monthly Average Declared Capacity for the Month (DCI)	MW	108.71
Installed Capacity (I) for Regulated Business	MW	120
Normative Aux. Power Consumption (AUXn) (As approved by Hon'ble JSERC)	%	9.00%
Availability for the Month (as per Regulation 17.4 of JSERC Generation Tariff Regulations 2020)	%	99.56%
No. of Days of the Month (N)	Days	30
YTD Availability at the end of the Month	%	99.56%

2. Details of Capacity Charges FY 2023-24 - Unit 2		
Unit	2	
Regulated Capacity (MW)	120	
Particulars	UoM	Values
Annual Fixed Charges approved in MYT Order dated 04.11.2022	Rs Crores	106.59
Total Capacity Charges for the year	Rs Crores	106.59

2a. Monthly Capacity Charges FY 2023-24 - Unit 2		
Particulars	UoM	Apr-23
Month	No.	1
No. of Days	No.	30
Monthly Availability (PAFM)	%	99.56%
YTD Availability	%	99.56%
Normative Availability (Approved by Hon'ble JSERC) (NAPAF)	%	85%
Capacity Charges payable by Tata Steel for the Month (as per Regulation 17.3 of JSERC Generation Tariff Regulations 2020)	Rs Crores	8.88
	Rs	8,88,25,000

TATA POWER

The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur - 831016
 Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

3. Details of Energy Charge Rate FY 2023-24 - Unit 2		
Unit		2
Regulated Capacity (MW)		120
Particulars	UoM	Values
Normative Gross Station Heat Rate (as per JSERC Generation Tariff Regulations 2020)	Kcal/kWh	2525
Normative Auxiliary Power Consumption (as per JSERC Generation Tariff Regulations 2020)	%	9%
Base Weighted Avg GCV of Coal (As per MYT Order dated 04.11.2022)	Kcal/kg	3825
Base Weighted Avg Landed Price of Coal (As per MYT Order dated 04.11.2022)	Rs/Ton	3722
Base Weighted Avg GCV of LDO (As per MYT Order dated 04.11.2022)	Kcal/L	9100
Base Weighted Avg Landed Price of LDO (As per MYT Order dated 04.11.2022)	Rs/KL	45198
Normative Specific LDO Consumption (As per MYT Order dated 04.11.2022)	ml/kWh	0.500
Energy Charge Rate as per Regulations 17.8 of Generation Tariff Regulations 2020	Rs/kWh	2.720

3a. Monthly Energy Charges FY 2023-24 - Unit 2		
Unit 2	Values	
Particulars	UoM	Apr-23
Actual Gross Generation for the Month	Kwh	80750592
Actual Aux Power Consumption	%	7.77%
Ex-Bus Generation for the Month	Kwh	74473104
Energy Charge Rate as per Regulations 17.8 of Generation Tariff Regulations 2020	Rs/Kwh	2.720
Total Energy Charges for the Month	Rs	20,25,66,844

TATA POWER

The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



4. Monthly Incentive Charges FY 2023-24 - Unit 2		
Particulars	UoM	Apr-23
No. of Days	No.	30
Net Generation during the Month (SGI) (As per Regulation 3.1 (55) of JSERC Generation Tariff Regulations 2020)	Kwh	74473104
YTD Net Generation for FY 2023-24	Kwh	74473104
Installed Capacity (I) for Regulated Business	MW	120
Normative Aux. Power Consumption (AUXn) (as per JSERC Generation Tariff Regulations 2020)	%	9%
Plant Load Factor (PLF) for the Month	%	94.72%
YTD PLF at the end of the Month	%	94.72%
Normative Plant Load Factor (NAPLF) (as per JSERC Generation Tariff Regulations 2020) (NAPAF)	%	85.00%
Net Generation during the Month at NAPLF	Kwh	66830400
YTD Net Generation at NAPLF for FY 2023-24	Kwh	66830400
YTD Net Generation in excess of NAPLF for FY 2023-24	Kwh	7642704
Rate of Incentive (As per Regulation 17.5 of JSERC Generation Tariff Regulations 2020)	Rs/Kwh	0.50
YTD Incentive for FY 2023-24 (Post-Tax)	Rs	3821352
Applicable Tax Rate	%	25.17%
YTD Incentive for FY 2023-24 (Pre-Tax)	Rs	5106575
YTD Incentive billed till previous month	Rs	
Incentive for the Month (Pre-Tax)	Rs	5106575

Appendix C1: Detailed Computation of Fuel Price Adjustment for Unit 2

5. Details of Fuel Price - Unit 2								
Weighted Average Landed Price & GCV (As per MYT Order dated 04.11.2022 by Hon'ble JSERC)	UoM							
Weighted Average GCV of Coal	Kcal/Kg	3825.24						
Weighted Average Landed Price of Coal	Rs/Ton	3721.69						
Weighted Average Price of Coal *	Rs/MKcal	972.93						
Computation with Actual Landed Price & GCV	UoM	Middling	CCL Shakti R3	CCL Shakti	MCL Shakti	CCL Shakti WIV	WB Reject	Truck Tailing
GCV of Coal	Kcal/Kg	4128	3671	3793	2960	4081	1905	4205
Weighted Average GCV of Coal	Kcal/Kg	3864						
Coal in Mix	%	44.38%	8.14%	7.18%	16.29%	23.82%	0.08%	0.11%
Landed Price	Rs/Ton	5696	3350	3870	2745	4833	4519	9220
Weighted Average Landed Price of Coal	Rs/Ton	4691						
Weighted Average Price of Coal	Rs/MKcal	1214						

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





5a.Fuel Price Adjustment FY 2023-24 - Unit 2		
Unit	Unit 2	
Regulated Capacity	120 MW	
No. of Days .	Days	30
Particulars	UoM	Apr-23
A: Fuel Price Adjustment for LDO		
Normative Sp. LDO Consumption (Approved by Hon'ble JSERC)	ml/kwh	0.50
LDO Landed Price - Actual for the Month (As consumed basis)	Rs/KL	76464
LDO Landed Price (Approved by Hon'ble JSERC)	Rs/KL	45198
Differential Landed Cost of LDO	Rs/KL	31266
Normative Aux Power Consumption (Approved by Hon'ble JSERC)	%	9.00%
Fuel Price Adjustment for Secondary Fuel Oil (Refer Regulation 17.12 JSERC Generation Tariff Regulations 2020)	Rs/kwh	0.017
LDO Cost Adjustment	Rs Crores	0.128
B: Fuel Price Adjustment for Coal		
Normative Sp. LDO Consumption (Approved by Hon'ble JSERC)	ml/kwh	0.50
Normative Heat Rate (Approved by Hon'ble JSERC)	Kcal/Kwh	2525
Actual Gross Generation for the Month	MUs	80.75
Actual Aux Power Consumption	%	7.77%
Ex-bus Generation for the Month	MUs	74.47
GCV of LDO (Approved by Hon'ble JSERC)	Kcal/L	9100
GCV of LDO (Actual)	Kcal/L	10592
Heat Contribution by Coal at (approved GCV of LDO)	Kcal/Kwh	2520.45
Heat Contribution by Coal at (Actual GCV of LDO for the month)	Kcal/Kwh	2519.70
Weighted Average Landed Price of Coal (Approved by Hon'ble JSERC)	Rs/Ton	3721.69
Weighted Average GCV of Coal (Approved by Hon'ble JSERC)	Kcal/Kg	3825.24
Weighted Average Landed Price of Coal (Actual during the Month)	Rs/Ton	4690.75
Weighted Average GCV of Coal (Actual during the Month)	Kcal/Kg	3863.71
Cost of Coal (Approved by Hon'ble JSERC)	Rs/MKcal	972.93
Cost of Coal (Actual during the month)	Rs/MKcal	1214.05
Fuel Price Adjustment for Coal (Refer Regulation 17.12 JSERC Generation Tariff Regulations 2020)	Rs/Kwh	0.667
Coal Cost Adjustment	Rs Crores	4.966
Fuel Price Adjustment for the Month (=A+B)	Rs Crores	5.094
Fuel Price Adjustment for the Month	Rs	5,09,41,529

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

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Appendix D1: Discount amount for Generation Corresponding to SHAKTI Coal - Unit 2

6. Discount Amount for coal received through SHAKTI Auction - Unit 2							
Month : April 2023							
Particulars	UoM	Nomenclature	CCL Shakti R3	CCL	MCL	ECL	CCL Shakti WIV
Quantum of Coal consumed during the month	MT	A.	4299	3792	8605	0	12579
As Received GCV	kCal/kg	B	3671	3793	2960	0	4081
AUX	%	C	7.77%	7.77%	7.77%	7.77%	7.77%
Station Heat Rate	kCal/kWh	D	2525	2525	2525	2550	2525
Sales corresponding to concessional Fuel sourced under SHAKTI Policy	kWh	$E = A \times 10^3 \times B \times (1-C)/D$	5764552	5253282	9303252	0	18747911
Discount Rate	Rs./kWh	F	0.07	0.04	0.04	0.04	0.07
Source wise Discount Amount	Rs.	$G = F \times E$	403519	210131	372130	0	1312354
Total Discount Amount (DA)	Rs:	H					2298134

Appendix E1: Summary of Monthly Invoice for Unit 2

7. Summary of Monthly Invoice FY 2023-24- Unit 2		
Month: April 2023		
No. of Days		30
Particulars	UoM	Apr-23
Availability for the Month	%	99.56%
Contracted Capacity	MW	120
Capacity Charges for the Month (A)	Rs	8,88,25,000
Energy Charges for the Month (B)	Rs	20,25,66,844
Incentive for the Month (Pre-Tax) (C)	Rs	51,06,575
Fuel Price Adjustment for the Month (D)	Rs	5,09,41,529
Shakti Discount Amount (E)	Rs	22,98,134
Total Amount due for the Month (=A+B+C+D-E)	Rs	34,51,41,814

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001





Appendix A2 – Details of Unit 3

Particulars		UoM	Apr-23	
1.0	Regulated Capacity	MW	120	
	Actual Availability of the Month	%	99.80%	
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%	
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%	
	Actual Gross Generation for the Month	kWh	84895744	
	Ex-bus Generation for the Month	kWh	78110943	
2.0	Capacity Payment for the Current Billing Period			
	2.1 Total Capacity Charges due	Rs	86883333	
3.0	Energy Payment for the Current Billing Period			
	3.1 Energy Charge Rate	Rs/kWh	2.792	
	3.2 Total Energy Charges for the Month due	Rs	218085752	
4.0	Incentive Payment for the Current Billing Period			
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	11280543	
	4.2 Total Incentive for the Month due	Rs	7537245	
5.0	Fuel Price Adjustment for the Current Billing Period			
	5.1 LDO Cost Adjustment	Rs	1341970	
	5.2 Coal Cost Adjustment	Rs	49688081	
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	51030052	
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)		Rs	363536383
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	1927257	
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs		
8.0	Total Amount for the Current Billing Period (Rupees Thirty Six Crore Sixteen Lakhs Nine Thousand One Hundred and Twenty Five Only)	Rs	361609125	

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The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

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**Appendix B2: Detailed Computation of Capacity Charges, Energy Charges & Incentive for
Unit 3**

1. Monthly Availability for Regulated Capacity - Unit 3		
Unit	3	Apr-23
Particulars	UoM	Value
Monthly Average Declared Capacity for the Month (DCi)	MW	108.99
Installed Capacity (I) for Regulated Business	MW	120
Normative Aux. Power Consumption (AUXn) (As approved by Hon'ble JSERC)	%	9.00%
Availability for the Month (as per Regulation 17.4 of JSERC Generation Tariff Regulations 2020)	%	99.80%
No. of Days of the Month (N)	Days	30
YTD Availability at the end of the Month	%	99.80%

2. Details of Capacity Charges FY 2023-24 - Unit 3		
Unit	3	
Regulated Capacity (MW)	120	
Particulars	UoM	Values
Annual Fixed Charges approved in MYT Order dated 04.11.2022	Rs Crores	104.26
Total Capacity Charges for the year	Rs Crores	104.26

2a. Monthly Capacity Charges FY 2023-24 - Unit 3		
Particulars	UoM	Apr-23
Month	No.	1
No. of Days	No.	30
Monthly Availability (PAFM)	%	99.80%
YTD Availability	%	99.80%
Normative Availability (Approved by Hon'ble JSERC) (NAPAF)	%	85%
Capacity Charges payable by Tata Steel for the Month (as per Regulation 17.3 of JSERC Generation Tariff Regulations 2020)	Rs Crores	8.69
	Rs	8,68,83,333

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3. Details of Energy Charge Rate for FY 2023-24 - Unit 3		
Unit		3
Regulated Capacity (MW)		120
Particulars (JSERC MYT Order 04.11.2022)	UoM	Values
Normative Gross Station Heat Rate (as per JSERC Generation Tariff Regulations 2020)	Kcal/kWh	2525
Normative Auxiliary Power Consumption (as per JSERC Generation Tariff Regulations 2020)	%	9%
Base Weighted Avg GCV of Coal (As per MYT Order dated 04.11.2022)	Kcal/kg	3826
Base Weighted Avg Landed Price of Coal (As per MYT Order dated 04.11.2022)	Rs/Ton	3822
Base Weighted Avg GCV of LDO (As per MYT Order dated 04.11.2022)	Kcal/L	9100
Base Weighted Avg Landed Price of LDO (As per MYT Order dated 04.11.2022)	Rs/KL	45196
Normative Specific LDO Consumption (As per MYT Order dated 04.11.2022)	ml/kWh	0.500
Energy Charge Rate as per Regulations 17.8 of Generation Tariff Regulations 2020	Rs/kWh	2.792

3a. Monthly Energy Charges FY 2023-24 - Unit 3		
Unit 3	Values	
Particulars	UoM	Apr-23
Actual Gross Generation for the Month	Kwh	84895744
Actual Aux Power Consumption*	%	7.99%
Ex-Bus Generation for the Month	Kwh	78110943
Energy Charge Rate as per Regulations 17.8 of Generation Tariff Regulations 2020	Rs/Kwh	2.792
Total Energy Charges for the Month	Rs	21,80,85,752

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The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

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4. Monthly Incentive Charges FY 2023-24 - Unit 3		
Particulars	UoM	Apr-23
No. of Days	No.	30
Net Generation during the Month (SGI) (As per Regulation 3.1 (55) of JSERC Generation Tariff Regulations 2020)	Kwh	78110943
YTD Net Generation for FY 2023-24	Kwh	78110943
Installed Capacity (I) for Regulated Business	MW	120
Normative Aux. Power Consumption (AUXn) (as per JSERC Generation Tariff Regulations 2020)	%	9%
Plant Load Factor (PLF) for the Month	%	99.35%
YTD PLF at the end of the Month	%	99.35%
Normative Plant Load Factor (NAPLF) (as per JSERC Generation Tariff Regulations 2020) (NAPAF)	%	85.00%
Net Generation during the Month at NAPLF	Kwh	66830400
YTD Net Generation at NAPLF for FY 2023-24	Kwh	66830400
YTD Net Generation in excess of NAPLF for FY 2023-24	Kwh	11280543
Rate of Incentive (As per Regulation 17.5 of JSERC Generation Tariff Regulations 2020)	Rs/Kwh	0.50
YTD Incentive for FY 2023-24 (Post-Tax)	Rs	5640271
Applicable Tax Rate	%	25.17%
YTD Incentive for FY 2023-24 (Pre-Tax)	Rs	7537245
YTD Incentive billed till previous month	Rs	0
Incentive for the Month (Pre-Tax)	Rs	7537245

Appendix C2: Detailed Computation of Fuel Price Adjustment for Unit 3

5. Details of Fuel Price - Unit 3						
Weighted Average Landed Price & GCV (As per MYT Order dated 04.11.2022 by Hon'ble JSERC)	UoM					
Weighted Average GCV of Coal	Kcal/Kg	3825.77				
Weighted Average Landed Price of Coal	Rs/Ton	3821.57				
Weighted Average Price of Coal	Rs/MKcal	998.90				
Computation with Actual Landed Price & GCV	UoM	Middling	CCL Shakti R3	CCL Shakti	MCL Shakti	CCL Shakti WIV
GCV of Coal	Kcal/Kg	4129	3675	3766	2957	4104
Weighted Average GCV of Coal	Kcal/Kg	3871				
Coal in Mix	%	53.08%	8.85%	6.85%	16.12%	15.09%
Landed Price	Rs/Ton	5696	3350	3870	2745	4833
Weighted Average Landed Price of Coal	Rs/Ton	4757				
Weighted Average Price of Coal	Rs/MKcal	1228.94				

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Jojobera Power Plant, Jamshedpur - 831016

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5a. Fuel Price Adjustment FY 2023-24 - Unit 3		
Unit	Unit 3	
Regulated Capacity	120 MW	
No. of Days	Days	30
Particulars	UoM	Apr-23
A: Fuel Price Adjustment for LDO		
Normative Sp. LDO Consumption (Approved by Hon'ble JSERC)	ml/kwh	0.50
LDO Landed Price - Actual for the Month (As consumed basis)	Rs/KL	76464
LDO Landed Price (Approved by Hon'ble JSERC)	Rs/KL	45196
Differential Landed Cost of LDO	Rs/KL	31268
Normative Aux Power Consumption (Approved by Hon'ble JSERC)	%	9.00%
Fuel Price Adjustment for Secondary Fuel Oil (Refer Regulation 17.12 JSERC Generation Tariff Regulations 2020)	Rs/Kwh	0.017
LDO Cost Adjustment	Rs Crores	0.134
B: Fuel Price Adjustment for Coal		
Normative Sp. LDO Consumption (Approved by Hon'ble JSERC)	ml/kwh	0.50
Normative Heat Rate (Approved by Hon'ble JSERC)	Kcal/Kwh	2525
Actual Gross Generation for the Month	MUs	84.90
Actual Aux Power Consumption	%	7.99%
Ex-bus Generation for the Month	MUs	78.11
GCV of LDO (Approved by Hon'ble JSERC)	Kcal/L	9100
GCV of LDO (Actual)	Kcal/L	10592
Heat Contribution by Coal at (approved GCV of LDO)	Kcal/Kwh	2520.45
Heat Contribution by Coal at (Actual GCV of LDO for the month)	Kcal/Kwh	2519.70
Weighted Average Landed Price of Coal (Approved by Hon'ble JSERC)	Rs/Ton	3822
Weighted Average GCV of Coal (Approved by Hon'ble JSERC)	Kcal/Kg	3826
Weighted Average Landed Price of Coal (Actual during the Month)	Rs/Ton	4757
Weighted Average GCV of Coal (Actual during the Month)	Kcal/Kg	3871
Cost of Coal (Approved by Hon'ble JSERC)	Rs/MKcal	998.90
Cost of Coal (Actual during the month)	Rs/MKcal	1228.94
Fuel Price Adjustment for Coal (Refer Regulation 17.12 JSERC Generation Tariff Regulations 2020)	Rs/Kwh	0.636
Coal Cost Adjustment	Rs Crores	4.969
Fuel Price Adjustment for the Month (=A+B)	Rs Crores	5.103
Fuel Price Adjustment for the Month	Rs	5,10,30,052

TATA POWER

The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur - 831016
 Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001


Appendix D2: Discount amount for Generation Corresponding to SHAKTI Coal - Unit 3

6. Discount Amount for coal received through SHAKTI Auction - Unit 3							
Month : April 2023							
Particulars	UoM	Nomenclature	CCL Shakti R3	CCL	MCL	ECL	CCL Shakti WIV
Quantum of Coal consumed during the month	MT	A	4899	3796	8929	0	8357
As Received GCV	kCal/kg	B	3675	3766	2957	0	4104
AUX	%	C	7.99%	7.99%	7.99%	7.99%	7.99%
Station Heat Rate	kCal/kWh	D	2525	2525	2525	2525	2525
Sales corresponding to concessional Fuel sourced under SHAKTI Policy	kWh	$E = A \times 10^3 \times B \times (1-C)/D$	6560430	5208854	9620166	0	12498093
Discount Rate	Rs./kWh	F	0.07	0.04	0.04	0.04	0.07
Source wise Discount Amount	Rs.	$G = F \times E$	459230	208354	384807	0	874867
Total Discount Amount (DA)	Rs.	H				1927257	

Appendix E2: Summary of Monthly Invoice for Unit 3

7. Summary of Monthly Invoice FY 2023-24 - Unit 3		
Month: April 2023		
No. of Days		30
Particulars	UoM	Apr-22
Availability for the Month	%	99.80%
Contracted Capacity	MW	120
Capacity Charges for the Month (A)	Rs	8,68,83,333
Energy Charges for the Month (B)	Rs	21,80,85,752
Incentive for the Month (Pre-Tax) (C)	Rs	75,37,245
Fuel Price Adjustment for the Month (D)	Rs	5,10,30,052
SHAKTI Discount Amount (E)	Rs	19,27,257
Total Amount due for the Month (=A+B+C+D-E)	Rs	36,16,09,125

TATA POWER

The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur - 831016
 Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Invoice No. 2023-24/02
Date: 01.06.2023

Unit 2 – 120 MW Regulated Capacity
Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited ("Purchaser") by The Tata Power Company Limited, ("Seller") based on the order passed by the Hon'ble Commission in Multi Year Tariff (MYT) Petition (Case No. 10 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 ("**Generation Tariff Regulations 2020**"). As per the above-mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st May 2023 to 31st May 2023
2. Due Date: Is due and payable on 30th July 2023

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF/Generation respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

Further, it may be noted that, with the introduction of the new TDS levy i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

**JAGMIT
SINGH SIDHU**

Digitally signed by
JAGMIT SINGH SIDHU
Date: 2023.06.02
15:29:41 +05'30'

Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001



Appendix A1 – Details of Unit 2

Particulars		UoM	May-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.69%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	79371264
	Ex-bus Generation for the Month	kWh	72920680
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88825000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.720
	3.2 Total Energy Charges for the Month due	Rs	198344249
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2023-24	Kwh	11505304
	4.2 Total Incentive for the Month due	Rs	2580848
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1247346
	5.2 Coal Cost Adjustment	Rs	32125156
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	33372502
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	323122599
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2985405
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs.	0
8.0	Total Amount for the Current Billing Period (Rupees Thirty Two Crore One Lakh Thirty Seven Thousand One Hundred and Ninety Four Only)	Rs	320137194

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Jojobera Power Plant, Jamshedpur - 831016
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Appendix A2 – Details of Unit 3

Particulars		UoM	May-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	98.66%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	80609280
	Ex-bus Generation for the Month	kWh	73779085
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	86883333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.792
	3.2 Total Energy Charges for the Month due	Rs	205991206
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	16001548
	4.2 Total Incentive for the Month due	Rs	3154403
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1262116
	5.2 Coal Cost Adjustment	Rs	46036313
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	47298429
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	343327372
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2640320
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs	
8.0	Total Amount for the Current Billing Period(Rupees Thirty Four Crore Six Lakhs Eighty Seven Thousand and Fifty One Only)	Rs	340687051

TATA POWER

The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur - 831016
 Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Invoice No. 2023-24/03

Date: 01.07.2023

Unit 2 – 120 MW Regulated Capacity**Unit 3 – 120 MW Regulated Capacity**

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited ("Purchaser") by The Tata Power Company Limited, ("Seller") based on the order passed by the Hon'ble Commission in Multi Year Tariff (MYT) Petition (Case No. 10 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 ("Generation Tariff Regulations 2020"). As per the above-mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st June 2023 to 30th June 2023
2. Due Date: Is due and payable on 29th August 2023

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF/Generation respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

Further, it may be noted that, with the introduction of the new TDS levy i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

A handwritten signature in blue ink, appearing to be 'S. S.', is written above the typed name.

Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24, Horni Mody Street Mumbai 400 001





Appendix A1 – Details of Unit 2

Particulars		UoM	Jun-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.53%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	84135936
	Ex-bus Generation for the Month	kWh	77029021
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88825000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.720
	3.2 Total Energy Charges for the Month due	Rs	209518936
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2023-24	Kwh	21703925
	4.2 Total Incentive for the Month due	Rs	6814345
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1317622
	5.2 Coal Cost Adjustment	Rs	43485986
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	44803607
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	349961888
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	4079295
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs.	
8.0	Total Amount for the Current Billing Period (Rupees Thirty Four Crore Fifty Eight Lakh Eighty Two Thousand Five Hundred and Ninety Two Only)	Rs	345882592

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Appendix A2 – Details of Unit 3

Particulars		UoM	Jun-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.23%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	78332928
	Ex-bus Generation for the Month	kWh	71597217
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	86883333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.792
	3.2 Total Energy Charges for the Month due	Rs	199899429
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	20768365
	4.2 Total Incentive for the Month due	Rs	3185012
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1224791
	5.2 Coal Cost Adjustment	Rs	26115197
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	27339989
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	317307763
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	3050903
7.0	Adjustment Due to Recnciliation of Shakti Discount of Previous Month	Rs	
8.0	Total Amount for the Current Billing Period(Rupees Thirty One Crore Fourty Two Lakhs Fifty Six Thousand Eight Hundred and Sixty Only)	Rs	314256860

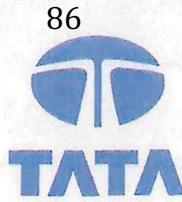
TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Invoice No. 2023-24/04

Date: 01.08.2023

Unit 2 – 120 MW Regulated Capacity
Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited (“Purchaser”) by The Tata Power Company Limited, (“Seller”) based on the order passed by the Hon'ble Commission in Multi Year Tariff (MYT) Petition (Case No. 10 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 (“Generation Tariff Regulations 2020”). As per the above-mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st July 2023 to 31st July 2023
2. Due Date: Is due and payable on 29th September 2023

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF/Generation respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

Further, it may be noted that, with the introduction of the new TDS levy i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

A handwritten signature in black ink, appearing to be 'S. S.', written over a horizontal line.

Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Appendix A1 – Details of Unit 2

Particulars		UoM	Jul-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.66%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	83520512
	Ex-bus Generation for the Month	kWh	76286948
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88825000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.720
	3.2 Total Energy Charges for the Month due	Rs	207500498
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2023-24	Kwh	28932793
	4.2 Total Incentive for the Month due	Rs	4830065
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1282587
	5.2 Coal Cost Adjustment	Rs	12309892
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	13592479
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	314748042
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	4551381
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs.	
8.0	Total Amount for the Current Billing Period (Rupees Thirty One Crore One Lakh Ninety Six Thousand Six Hundred and Sixty One Only)	Rs	310196661

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

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Appendix A2 – Details of Unit 3

Particulars		UoM	Jul-22
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.84%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	76488704
	Ex-bus Generation for the Month	kWh	69614574
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	86883333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.792
	3.2 Total Energy Charges for the Month due	Rs	194363890
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	21324858
	4.2 Total Incentive for the Month due	Rs	371829
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1170488
	5.2 Coal Cost Adjustment	Rs	-1012600
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	157888
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	281776940
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	4522123
7.0	Adjustment Due to Recnciliation of Shakti Discount of Previous Month	Rs	
8.0	Total Amount for the Current Billing Period(Rupees Twenty Seven Crore Seventy Two Lakhs Fifty Four Thousand Eight Hundred and Seventeen Only)	Rs	277254817

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001





Invoice No. 2023-24/05
Date: 01.09.2023

Unit 2 – 120 MW Regulated Capacity
Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited (“Purchaser”) by The Tata Power Company Limited, (“Seller”) based on the order passed by the Hon’ble Commission in Multi Year Tariff (MYT) Petition (Case No. 10 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 (“**Generation Tariff Regulations 2020**”). As per the above-mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st August 2023 to 31st August 2023
2. Due Date: Is due and payable on 30th October 2023

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF/Generation respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

Further, it may be noted that, with the introduction of the new TDS levy i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

A handwritten signature in blue ink, appearing to be 'S. L.' or similar, written over a horizontal line.

Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Appendix A1 – Details of Unit 2

Particulars		UoM	Aug-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.05%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	86317056
	Ex-bus Generation for the Month	kWh	79356744
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88825000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.720
	3.2 Total Energy Charges for the Month due	Rs	215850343
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2023-24	Kwh	39231456
	4.2 Total Incentive for the Month due	Rs	6881190
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1315972
	5.2 Coal Cost Adjustment	Rs	-8758606
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	-7442633
	Total Amount due for the Current Billing Period, (2.1)+(3.2)+(4.2)+(5.3)	Rs	304113900
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	4082081
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs.	
8.0	Total Amount for the Current Billing Period (Rupees Thirty Crore Thirty One Thousand Eight Hundred and Nineteen Only)	Rs	300031819

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

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Appendix A2 – Details of Unit 3

Particulars		UoM	Aug-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.48%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	78613504
	Ex-bus Generation for the Month	kWh	71617953
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	86883333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.792
	3.2 Total Energy Charges for the Month due	Rs	199957324
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	23884731
	4.2 Total Incentive for the Month due	Rs	1710413
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1187724
	5.2 Coal Cost Adjustment	Rs	-31445118
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	-30257394
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)		Rs 258293676
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	3936288
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs	
8.0	Total Amount for the Current Billing Period(Rupees Twenty Five Crore Fourty Three Lakhs Fifty Seven Thousand Three Hundred and Eighty Eight Only)		Rs 254357388

TATA POWER

The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur - 831016
 Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001



Unit 2 – 120 MW Regulated Capacity
Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited (“Purchaser”) by The Tata Power Company Limited, (“Seller”) based on the order passed by the Hon'ble Commission in Multi Year Tariff (MYT) Petition (Case No. 10 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 (“**Generation Tariff Regulations 2020**”). As per the above-mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st September 2023 to 30th September 2023
2. Due Date: Is due and payable on 30th November 2023

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF/Generation respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

A handwritten signature in black ink, appearing to be 'Anshu Kumar', written over a horizontal line.

Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Appendix A1 – Details of Unit 2

Particulars		UoM	Sep-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	98.16%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	76952576
	Ex-bus Generation for the Month	kWh	70179899
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88825000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.720
	3.2 Total Energy Charges for the Month due	Rs	190889325
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2023-24	Kwh	42580955
	4.2 Total Incentive for the Month due	Rs	2238012
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1238137
	5.2 Coal Cost Adjustment	Rs	-9164488
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	-7926350
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	274025987
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	3145763
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs.	
8.0	Total Amount for the Current Billing Period (Rupees Twenty Seven Crore Eight Lakhs Eighty Thousand Two Hundred and Twenty Four Only)	Rs	270880224

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Appendix A2 – Details of Unit 3

Particulars		UoM	Sep-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.88%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	76065792
	Ex-bus Generation for the Month	kWh	69323312
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	86883333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.792
	3.2 Total Energy Charges for the Month due	Rs	193550687
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	26377643
	4.2 Total Incentive for the Month due	Rs	1665672
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1223106
	5.2 Coal Cost Adjustment	Rs	-14240015
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	-13016909
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	269082784
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	3070341
7.0	Adjustment Due to Recnciliation of Shakti Discount of Previous Month	Rs	
8.0	Total Amount for the Current Billing Period(Rupees Twenty Six Crore Sixty Lakhs Twelve Thousand Four Hundred and Fourty Three Only)	Rs	266012443

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Invoice No. 2023-24/07
Date: 01.11.2023

Unit 2 – 120 MW Regulated Capacity
Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited (“Purchaser”) by The Tata Power Company Limited, (“Seller”) based on the order passed by the Hon'ble Commission in Multi Year Tariff (MYT) Petition (Case No. 10 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 (“**Generation Tariff Regulations 2020**”). As per the above-mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st October 2023 to 31st October 2023
2. Due Date: Is due and payable on 30th December 2023

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF/Generation respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020.

Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





on sale of goods u/s 206C(1H) i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

A handwritten signature in blue ink, appearing to be 'R. R.' or similar, written over a horizontal line.

Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Appendix A1 – Details of Unit 2

Particulars		UoM	Oct-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.16%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	62934016
	Ex-bus Generation for the Month	kWh	56884474
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88825000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.720
	3.2 Total Energy Charges for the Month due	Rs	154725768
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2023-24	Kwh	30407349
	4.2 Total Incentive for the Month due	Rs	-8133958
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1143104
	5.2 Coal Cost Adjustment	Rs	23215640
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	24358744
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	259775555
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2576612
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs.	
8.0	Total Amount for the Current Billing Period (Rupees Twenty Five Crore Seventy One Lakhs Ninety Eight Thousand Nine Hundred and Fourty Three Only)	Rs	257198943

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Appendix A2 – Details of Unit 3

Particulars		UoM	Oct-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	98.34%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	77075456
	Ex-bus Generation for the Month	kWh	70297989
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	86883333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.792
	3.2 Total Energy Charges for the Month due	Rs	196271986
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	27617553
	4.2 Total Incentive for the Month due	Rs	828462
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1412732
	5.2 Coal Cost Adjustment	Rs	26815947
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	28228679
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	312212461
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	3074442
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs	
8.0	Total Amount for the Current Billing Period (Rupees Thirty Crore Ninety One Lakhs Thirty Eight Thousand and Nineteen Only)	Rs	309138019

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Invoice No. 2023-24/08

Date: 01.12.2023

Unit 2 – 120 MW Regulated Capacity
Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited (“Purchaser”) by The Tata Power Company Limited, (“Seller”) based on the order passed by the Hon'ble Commission in Multi Year Tariff (MYT) Petition (Case No. 10 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 (“**Generation Tariff Regulations 2020**”) along with JSERC (Terms and Conditions for Determination of Generation Tariff) (First Amendment) Regulations, 2023 [GTR (1st Amendment) 2023]. As per the above-mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st November 2023 to 30th November 2023
2. Due Date: Is due and payable on 14th January 2024

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations read with GTR (1st Amendment) 2023, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022 considered with revised norms as per the GTR (1st Amendment) 2023. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF/Generation respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020, read with GTR (1st Amendment) 2023.

TATA POWER

The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur - 831016
 Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001



Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

A handwritten signature in blue ink, appearing to be 'S. S.', written over a horizontal line.

Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Appendix A1 – Details of Unit 2

Particulars		UoM	Nov-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.13%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	64789504
	Ex-bus Generation for the Month	kWh	58781931
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88825000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.795
	3.2 Total Energy Charges for the Month due	Rs	164295499
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2023-24	Kwh	23093281
	4.2 Total Incentive for the Month due	Rs	-4886993
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1220510
	5.2 Coal Cost Adjustment	Rs	2180018
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	3400528
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	251634034
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	3036929
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs.	
8.0	Total Amount for the Current Billing Period (Rupees Twenty Five Crore Seventy One Lakhs Ninety Eight Thousand Nine Hundred and Fourty Three Only)	Rs	248597105

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

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Appendix A2 – Details of Unit 3

Particulars		UoM	Nov-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.946%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	70193152
	Ex-bus Generation for the Month	kWh	64016329
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	86883333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.880
	3.2 Total Energy Charges for the Month due	Rs	184367027
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	25537881.433
	4.2 Total Incentive for the Month due	Rs	-1389560
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1329270
	5.2 Coal Cost Adjustment	Rs	-4332189
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	-3002919
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	266857881
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2968388
7.0	Adjustment Due to Recnciliation of Shakti Discount of Previous Month	Rs	
8.0	Total Amount for the Current Billing Period(Rupees Thirty Crore Ninety One Lakhs Thirty Eight Thousand and Ninteen Only)	Rs	263889493

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Invoice No. 2023-24/09
Date: 01.01.2024

Unit 2 – 120 MW Regulated Capacity
Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited ("Purchaser") by The Tata Power Company Limited, ("Seller") based on the order passed by the Hon'ble Commission in Multi-Year Tariff (MYT) Petition (Case No. 10 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 ("Generation Tariff Regulations 2020") along with JSERC (Terms and Conditions for Determination of Generation Tariff) (First Amendment) Regulations, 2023 [GTR (1st Amendment) 2023]. As per the above-mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st December 2023 to 31st December 2023
2. Due Date: Is due and payable on 14th February 2024

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations read with GTR (1st Amendment) 2023, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022 considered with revised norms as per the GTR (1st Amendment) 2023. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF/Generation respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020, read with GTR (1st Amendment) 2023.

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

A handwritten signature in blue ink, appearing to be 'S. S.', written over a horizontal line.

Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001





Appendix A1 – Details of Unit 2

Particulars		UoM	Dec-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.36%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	81480704
	Ex-bus Generation for the Month	kWh	74275150
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88825000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.795
	3.2 Total Energy Charges for the Month due	Rs	207614143
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2023-24	Kwh	29069231
	4.2 Total Incentive for the Month due	Rs	3992911
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1542202
	5.2 Coal Cost Adjustment	Rs	24958715
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	26500916
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	326932970
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	4680593
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs.	
8.0	Total Amount for the Current Billing Period (Rupees Thirty Two Crore Twenty Two Lakhs Fifty Two Thousand Three Hundred and Seventy Eight Only)	Rs	322252378

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Appendix A2 – Details of Unit 3

Particulars		UoM	Dec-23
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	4.34%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	3289088
	Ex-bus Generation for the Month	kWh	2552118
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	86883333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.880
	3.2 Total Energy Charges for the Month due	Rs	7350733
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	0.000
	4.2 Total Incentive for the Month due	Rs	-17063476
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	52994
	5.2 Coal Cost Adjustment	Rs	970771
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	1023765
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	78194355
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	152368
7.0	Adjustment Due to Recnciliation of Shakti Discount of Previous Month	Rs	
8.0	Total Amount for the Current Billing Period(Rupees Seven Crore Eighty Lakhs Forty One Thousand Nine Hundred and Eighty Seven Only)	Rs	78041987

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001





Invoice No. 2023-24/10
Date: 01.02.2024

Unit 2 – 120 MW Regulated Capacity
Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited (“Purchaser”) by The Tata Power Company Limited; (“Seller”) based on the order passed by the Hon'ble Commission in Multi Year Tariff (MYT) Petition (Case No. 10 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 (“Generation Tariff Regulations 2020”) along with JSERC (Terms and Conditions for Determination of Generation Tariff) (First Amendment) Regulations, 2023 [GTR (1st Amendment) 2023]. As per the above-mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st January 2024 to 31st January 2024
2. Due Date: Is due and payable on 14th March 2024

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations read with GTR (1st Amendment) 2023, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

The Total Capacity Charges for each unit have been considered as per the Order dated 09.01.2024 by Hon'ble JSERC in respect of the review of MYT order for period 2022-26 dated 04.11.2024.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022 considered with revised norms as per the GTR (1st Amendment) 2023. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF/Generation respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001





be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020, read with GTR (1st Amendment) 2023.

Further, it may be noted that, with the introduction of the new TDS levy i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

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JAGMIT SINGH SIDHU
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Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Appendix A1 – Details of Unit 2

Particulars		UoM	Jan-24
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	79.66%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	52531200
	Ex-bus Generation for the Month	kWh	47515053
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	90550000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.795
	3.2 Total Energy Charges for the Month due	Rs	132804574
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2023-24	Kwh	8285084
	4.2 Total Incentive for the Month due	Rs	-13887205
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	924143
	5.2 Coal Cost Adjustment	Rs	7342998
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	8267141
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	217734510
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2902699
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs.	
7.a	Adjustment against error in previous month billing	Rs	15098
8.0	Total Amount for the Current Billing Period (Rupees Twenty One Crre Forty Eight Lakhs Sixteen Thousand Seven Hundred and Twelve Only)	Rs	214816712

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Appendix A2 – Details of Unit 3

Particulars		UoM	Jan-24
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.77%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	75058176
	Ex-bus Generation for the Month	kWh	68569742
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88883333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.880
	3.2 Total Energy Charges for the Month due	Rs	197480856
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	0.000
	4.2 Total Incentive for the Month due	Rs	0
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1333726
	5.2 Coal Cost Adjustment	Rs	15250086
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	16583812
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	302948001
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	3628060
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs	
7.a	Adjustment against error in previous month billing	Rs	635
8.0	Total Amount for the Current Billing Period (Rupees Twenty Nine Crore Ninety Three Lakhs Nineteen Thousand Three Hundred and Six Only)	Rs	299319306

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001



Invoice No. 2023-24/11
Date: 01.03.2024

Unit 2 – 120 MW Regulated Capacity
Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited (“Purchaser”) by The Tata Power Company Limited, (“Seller”) based on the order passed by the Hon’ble Commission in Multi Year Tariff (MYT) Petition (Case No. 10 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 (“**Generation Tariff Regulations 2020**”) along with JSERC (Terms and Conditions for Determination of Generation Tariff) (First Amendment) Regulations, 2023 [GTR (1st Amendment) 2023]. As per the above-mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st February 2024 to 29th February 2024
2. Due Date: Is due and payable on 14th April 2024

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations read with GTR (1st Amendment) 2023, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

The Total Capacity Charges for each unit have been considered as per the Order dated 09.01.2024 by Hon’ble JSERC in respect of the review of MYT order for period 2022-26 dated 04.11.2024.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022 considered with revised norms as per the GTR (1st Amendment) 2023. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF/Generation respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall

TATA POWER

The Tata Power Company Limited
Jjobbera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020, read with GTR (1st Amendment) 2023.

Further, it may be noted that, with the introduction of the new TDS levy i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

A handwritten signature in blue ink, appearing to be 'R. L.' or similar, written over a faint circular stamp.

Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001





Appendix A1 – Details of Unit 2

Particulars		UoM	Feb-24
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.98%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	61478912
	Ex-bus Generation for the Month	kWh	55732868
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	90550000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.795
	3.2 Total Energy Charges for the Month due	Rs	155773365
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2023-24	Kwh	125152
	4.2 Total Incentive for the Month due	Rs	-5452168
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1066760
	5.2 Coal Cost Adjustment	Rs	15441010
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	16507770
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	257378967
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2692330
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs.	
7.a	Adjustment against error in previous month billing	Rs	
8.0	Total Amount for the Current Billing Period (Rupees Twenty Five Crore Forty Six Lakhs Eighty Six Thousand Six Hundred and Thirty Eight Only)	Rs	254686638

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001





Appendix A2 – Details of Unit 3

Particulars		UoM	Feb-24
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.52%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	67239936
	Ex-bus Generation for the Month	kWh	61418371
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88883333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.880
	3.2 Total Energy Charges for the Month due	Rs	176884908
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	0
	4.2 Total Incentive for the Month due	Rs	0
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1175656
	5.2 Coal Cost Adjustment	Rs	14992573
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	16168228
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	281936469
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2673664
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs	
7.a	Adjustment against error in previous month billing	Rs	
8.0	Total Amount for the Current Billing Period (Rupees Twenty Seven Crore Ninety Two Lakhs Sixty Two Thousand Eight Hundred and Five Only)	Rs	279262805

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 651-1543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Invoice No. 2023-24/12

Date: 01.04.2024

Unit 2 – 120 MW Regulated Capacity

Unit 3 – 120 MW Regulated Capacity

TATA STEEL LIMITED
JAMSHEDPUR – 831001

Gentlemen,

This Invoice is submitted to Tata Steel Limited (“Purchaser”) by The Tata Power Company Limited, (“Seller”) based on the order passed by the Hon’ble Commission in Multi Year Tariff (MYT) Petition (Case No. 10 of 2020) dated November 04, 2022 for Units 2 & 3 and the methodology of recovery specified in JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 (“**Generation Tariff Regulations 2020**”) along with JSERC (Terms and Conditions for Determination of Generation Tariff) (First Amendment) Regulations, 2023 [GTR (1st Amendment) 2023]. As per the above-mentioned order the Capacity Charges for Units 2 & 3 have been revised.

This Invoice is an Invoice described in, and is payable in accordance with the terms of, Regulations 22.1-22.2-22.3-22.4 of Generation Tariff Regulations 2020.

1. Billing Period: Covers the Billing Period from 1st March 2024 to 31st March 2024
2. Due Date: Is due and payable on 14th May 2024

Appendix A hereto sets forth the amount of the Capacity Payment, the amount of the Energy Payment and the total amount payable for the Billing Period covered hereby. Calculations of all the foregoing are set forth in the Tariff Schedule attached as Appendix B hereto. If any adjustment is being made pursuant to Regulation 17.12 of the JSERC Generation Tariff Regulations read with GTR (1st Amendment) 2023, such adjustment (and the calculation thereof) is set forth in Appendix C hereto. Summary of the Discount in Tariff passed on due to consumption of Coal sourced under SHAKTI Scheme is set forth in the Appendix D hereto. Summary of the Monthly Invoice is set forth in the Appendix E hereto. Any back-up or supplemental information relating to any of the foregoing is attached hereto.

The Total Capacity Charges for each unit have been considered as per the Order dated 09.01.2024 by Hon’ble JSERC in respect of the review of MYT order for period 2022-26 dated 04.11.2024.

Amount of the Energy Charges in this invoice is based on Table Nos. 112 & 113 of the Multi Year Tariff order dated November 04, 2022 considered with revised norms as per the GTR (1st Amendment) 2023. Amount of the Capacity Charges are based on Table No. 138 & 139 of the Multi Year tariff Order dated November 04, 2022. The Availability and Plant Load Factor terms mentioned in this invoice are subject to change based on the confirmation of Monthly Declared Capacity (DC) and Monthly PLF/Generation respectively by the Tata Steel Load Dispatch Center and corresponding adjustments to the Capacity Charges and Incentive shall

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001



be reconciled through the invoice of subsequent month. Rebate & Late Payment Surcharge shall be applicable as per Generation Tariff Regulations 2020, read with GTR (1st Amendment) 2023.

Further, it may be noted that, with the introduction of the new TDS levy .i.e., Section 194Q under the Finance Act 2021 with effect from 1 July 2021, the provisions of section 194Q which specifically provide that TDS on purchase of goods under the said section shall override TCS on sale of goods u/s 206C(1H) .i.e., where both TDS and TCS are applicable on a transaction, the provisions of TDS under section 194Q of the Act shall prevail. To ensure compliance of the above provision from 1 July 2021 onwards, TCS on sales made to TSL will not be charged.

A handwritten signature in blue ink, appearing to be 'R. S.', with a long horizontal line extending to the right.

Very truly yours,
THE TATA POWER COMPANY LIMITED

TATA POWER

The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Horni Mody Street Mumbai 400 001





Appendix A1 – Details of Unit 2

Particulars		UoM	Mar-24
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	99.83%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	64249856
	Ex-bus Generation for the Month	kWh	58178092
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	90550000
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.795
	3.2 Total Energy Charges for the Month due	Rs	162607767
4.0	Incentive Payment for the Current Billing Period		0
	4.1 Ex-bus Energy in excess of NAPAF for FY 2023-24	Kwh	0
	4.2 Total Incentive for the Month due	Rs	-83622
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1093297
	5.2 Coal Cost Adjustment	Rs	2006931
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	3100229
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)		Rs 256174374
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2178730
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs.	
7.a	Adjustment against error in previous month billing	Rs	
8.0	Total Amount for the Current Billing Period (Rupees Twenty Five Crore Thirty Nine Lakhs Ninety Five Thousand Six Hundred and Forty Four. Only)	Rs	253995644

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001





Appendix A2 – Details of Unit 3

Particulars		UoM	Mar-24
1.0	Regulated Capacity	MW	120
	Actual Availability of the Month	%	98.64%
	NAPAF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	NAPLF (as per JSERC Generation Tariff Regulations 2020)	%	85%
	Actual Gross Generation for the Month	kWh	66922496
	Ex-bus Generation for the Month	kWh	60881163
2.0	Capacity Payment for the Current Billing Period		
	2.1 Total Capacity Charges due	Rs	88883333
3.0	Energy Payment for the Current Billing Period		
	3.1 Energy Charge Rate	Rs/kWh	2.880
	3.2 Total Energy Charges for the Month due	Rs	175337750
4.0	Incentive Payment for the Current Billing Period		
	4.1 Ex-bus Energy in excess of NAPAF for FY 2019-20	Kwh	0
	4.2 Total Incentive for the Month due	Rs	0
5.0	Fuel Price Adjustment for the Current Billing Period		
	5.1 LDO Cost Adjustment	Rs	1144166
	5.2 Coal Cost Adjustment	Rs	-3840181
	5.3 Total Fuel Price Adjustment due (5.1)+(5.2)	Rs	-2696015
	Total Amount due for the Current Billing Period (2.1)+(3.2)+(4.2)+(5.3)	Rs	261525068
6.0	Discount Amount for Coal received through SHAKTI auction	Rs	2333461
7.0	Adjustment Due to Reconciliation of Shakti Discount of Previous Month	Rs	
7.a	Adjustment against error in previous month billing	Rs	
8.0	Total Amount for the Current Billing Period (Rupees Twenty Five Crore Ninety One Lakhs Ninety One Thousand Six Hundred and Eight Only)	Rs	259191608

TATA POWER

The Tata Power Company Limited

Jojobera Power Plant, Jamshedpur - 831016

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ANNEXURE R6

O/M Expenses under Major Heads reconciled with Expenses in P/L Certificate for Unit 2				
Sr. No.	O&M Heads	Amount(Rs)	Expenses as per P/L Certificate	Amount (Rs.)
1	Employee Expenses excluding Terminal Liabilities	104105276.31	Employee Benefit Expenses	110800801.31
	Terminal Benefits	6695525.00		
2	R&M Expenses	137927154.8	Repairs and Maintainence	108119651.4
			Consumption of Stores, Oil, etc.	29807503.41
3	Other A&G Expenses	72329820.58	Finance Cost	12626565
			Rental of Land, Buildings, Plant and Equipment, etc.	1164542.56
			Rates and Taxes	2619752.54
			Insurance	10157572.24
			Other Operation Expenses	15590164.13
			Travelling and Conveyance Expenses	5316891.455
			Cost of Services Procured	13188540.65
		Miscellaneous Expenses	11665792	
4	Raw Water Expenses	59022898.29	Raw water Expenses	59022898.29
5	Ash Disposal Expenses	37422793.13	Ash Disposal Expenses	37422793.13
6	HO Expenses	115302233.9	HO Expenses	115302233.9
	Total	532805701.99	Total	532805701.99

O/M Expenses under Major Heads reconciled with Expenses in P/L Certificate for Unit 3				
Sr. No.	O&M Heads	Amount(Rs)	Expenses as per P/L Certificate	Amount (Rs.)
1	Employee Expenses excluding Terminal Liabilities	103917133.25	Employee Benefit Expenses	110612658.25
	Terminal Benefits	6695525.00		
2	R&M Expenses	245486097.2	Repairs and Maintainence	207108253.7
			Consumption of Stores, Oil, etc.	38377843.57
3	Other A&G Expenses	57837404.71	Finance Cost	12643155.09
			Rental of Land, Buildings, Plant and Equipment, etc.	1012888.96
			Rates and Taxes	2619752.54
			Insurance	8280159.861
			Other Operation Expenses	3857199.938
			Travelling and Conveyance Expenses	5301803.455
			Cost of Services Procured	12786526.87
		Miscellaneous Expenses	11335918	
4	Raw Water Expenses	56180100.14	Raw water Expenses	56180100.14
5	Ash Disposal Expenses	35865188.63	Ash Disposal Expenses	35865188.63
6	HO Expenses	118544137.1	HO Expenses	118544137.1
	Total	624525586.08	Total	624525586.08

From: coaljunction@mjunction.in
To: JQJO-CLG
Cc: coaljunction@mjunction.in
Subject: Sale Intimation Letter for CCL Single Window Mode Agnostic e-Auction (PHASE VIII)
Date: 18 December 2023 18:15:11

[EXTERNAL sender, Exercise caution..!]

Sale Intimation Letter for CCL Single Window Mode Agnostic e-Auction (PHASE VIII)

Bidder registration number: 27377
Name of the Bidder: THE TATA POWER CO LTD
Contact Person: Basudev Hansdah
Address: PO:Rahargora, Jojobera
Jamshedpur
Jharkhand
831016

Auction Number and date of auction: 2023-12-16

SELLER NAME	CLUSTER NAME	SOURCE NAME	MODE	GRADE / SIZE	REMARKS	QUANTITY ALLOTTED(MT)	WINNING BID PRICE RS/MT(*) (**)	UNIQUE BID ID	THIRD PARTY SAMPLING
CCL	Barkasayal G8 ROM 100000MT	North Urimari/CHP Silo	RAIL	G8, GCV: 4901-5200 (-)100mm	(Pay Loader/Silo Loading Method)	20000	3431.00	241199871	Yes

(*) Exclusive of statutory charges and other levies.

(**) Statutory charges and other levies will be charged over and above the basic bid price as applicable on the date of delivery.

For further details for payment of total coal value respective subsidiary companies to be contacted.

Terms of Payment

1. 100 % advance payment / coverage as applicable for the total coal / product value (inclusives of add ons,Sales Tax or any other charges as applicable) would be payable by way of e-Transfer (to be obtained from the bank account given at th time of registration) in favour of respective subsidiary company a/c name of the bidder along with debit advice from issuing Bank.

Documents to be deposited to the subsidiary company / CCL by the bidder at the time of payment.

1. Copy of the Sale Intimation letter.
2. Booking application on the bidder letter head.
3. Authorization letter for handling agent.
4. Copy of the Photo ID duly attested / Notarized.

Other Terms:

1. In case of failure by the bidder to deposit the requisite coal / product value within the stipulated time, the EMD will be forfeited.
2. Subsidiary company of CIL and CCL reserves the right to amend / modify / cancel the auction without showing any reason thereof.
3. All terms and conditions will be governed by the notice of the CIL e-Auction Scheme 2022-CCL.

Thanking you

Team Coaljunction
Mjunction services limited
Kolkata.
Tele. : +91-33-66011709/710/712
Fax : +91-33-66011701

Visit us at mjunction.in
coaljunction.in

=====
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=====

From: coaljunction@mjunction.in
Sent: 27 December 2023 19:44
To: JOJO-CLG
Cc: coaljunction@mjunction.in
Subject: Sale Intimation Letter for ECL Single Window Mode Agnostic e-Auction

[EXTERNAL sender, Exercise caution..!]

Sale Intimation Letter for ECL Single Window Mode Agnostic e-Auction

Bidder registration number: 27377
 Name of the Bidder: THE TATA POWER CO LTD
 Contact Person: Basudev Hansdah
 Address: PO:Rahargora, Jojobera
 Jamshedpur
 Jharkhand
 831016

Auction Number and date of auction: 2023-12-26

SELLER NAME	CLUSTER NAME	SOURCE NAME	MODE	GRADE / SIZE	REMARKS	QUANTITY ALLOTTED(MT)	WINNING BID PRICE RS/MT(*)(**)	UNI BI
ECL	Bankola B G3 -100 MM,STEAM 46000MT	UKA IV (Bankola Line II)	RAIL	G3 -100 MM,STEAM		12000	5250.00	2412

(*) Exclusive of statutory charges and other levies.

(**) Statutory charges and other levies will be charged over and above the basic bid price as applicable on the date of delivery.

For further details for payment of total coal value respective subsidiary companies to be contacted.

Terms of Payment

1. 100 % advance payment / coverage as applicable for the total coal / product value (inclusives of add ons,Sales Tax or any other charges as applicable) would be payable by way of e-Transfer (to be obtained from the bank account given at th time of registration) in favour of respective subsidiary company a/c name of the bidder along with debit advice from issuing Bank.

Documents to be deposited to the subsidiary company / ECL by the bidder at the time of payment.

1. Copy of the Sale Intimation letter.

2. Booking application on the bidder letter head.
3. Authorization letter for handling agent.
4. Copy of the Photo ID duly attested / Notarized.

Other Terms:

1. In case of failure by the bidder to deposit the requisite coal / product value within the stipulated time, the EMD will be forfeited.
2. Subsidiary company of CIL and ECL reserves the right to amend / modify / cancel the auction without showing any reason thereof.
3. All terms and conditions will be governed by the notice of the CIL e-Auction Scheme 2022-ECL.

Thanking you

Team Coaljunction
Mjunction services limited
Kolkata.

Tele. : +91-33-66011709/710/712

Fax : +91-33-66011701

Visit us at mjunction.in
coaljunction.in





SALES AGREEMENT FOR SUPPLY OF WEST BOKARO MIDDLING to TPCL

1. **REFERENCE:** Discussion with Mr. Rakesh Bhadoriya dated 30.04.2024
2. **SALES ORDER NUMBER:** IBMD/WBC/01/49/24 dated May 08, 2024.
3. **SELLER & BUYER:**
 - 3.1 SELLER: **Tata Steel Limited**, West Bokaro, Ghatotand -825314
 - 3.2 BUYER: **M/s. Tata Power Company Limited**, Jojobera, Jamshedpur (Unit #1, #2 & #3)
4. **MATERIAL DESCRIPTION**
 - 4.1 **West Bokaro Middling** (Chainpur Railway Siding)
5. **QUALITY:**
 - 5.1 The material would be dispatched on 'as-is where-is' basis.
 - 5.2 The buyer should satisfy himself with the quality of material before actual dispatch takes place. No complaint regarding quality of material will be entertained afterwards.
6. **QUANTITY:** Two lakh tonne (2,00,000 Tonnes +/- 10%). Partial shipment is allowed.
7. **DELIVERY TERMS & WEIGHMENT**
 - 7.1 Free on Rake (FOR) from Chainpur railway siding of Tata Steel.
 - 7.2 Seller shall not be responsible for transit loss of material.
 - 7.3 Loading onto rake shall be Seller's responsibility. The actual weight recorded as per RR (Railway receipt) shall be firm and binding on the Parties. No dispute shall be entertained regarding the quantity subsequently. Railway freight shall be paid by the Buyer in advance. If there is any delay in receipt of Railway freight in advance then any penalty, ground rent etc. charged by Railways shall be borne by Buyer
 - 7.4 Indenting for railway rake shall be done by seller; however, EDRM sanction shall be obtained by the buyer.
 - 7.5 Although loading will be the Seller's responsibility, but to avoid any complaint regarding overloading, under loading and quality of material the Buyer himself or his authorized

TATA STEEL LIMITED

West Bokaro Division Ghatotand Ramgarh 825 314 India
 Tel 91 6545 262356 (O) Fax 91 6545 262221 262172
 Regd. Office Bombay House 24 Homi Mody Street Mumbai 400 001
 Tel 91 22 66650282 Fax 91 22 66657724
 GSTIN: 190500000000000000



representative may supervise loading at the loading point. The authorized representative has to carry a prior authorization letter from Seller.

PRICE

- 8.1 Basic Price (inclusive of Royalty, DMF and NMET) will be ₹3750/tonne + Re 1 Management + Rs 57 Transit fees for forest produce + 5% GST + ₹400/t (Compensation cess).
- 8.2 The price will be reviewed post 6 month based on production cost & NCI latest publication.
- 8.3 Any other statutory charges /duty as applicable will be charged extra.
- 8.4 In addition to the price of coal, railway freight, taxes and duties, any other charge such as 'penal freight', i.e., additional freight charged by the railways for overloading of the wagons shall be borne by the Buyer and the same will be adjusted with the advance deposited by the Buyer.

9. PAYMENT TERMS

Seller shall raise invoice for every consignment for the cost of the material as mentioned in clause 7 supplied to TPCL and accordingly the monthly billed amount will be adjusted with bill of electric power supplied to Tata Steel by TPCL, and the balance, if any, shall be payable to TPCL by Tata Steel. Both the parties shall settle and consolidate the statement of account under this clause only.

10. INVOICING

The Seller shall raise invoices for the material supplied to the Buyer along with railway freight on supplies made for every rake preferably unless otherwise agreed to by the parties.

11. FORCE MAJEURE

The Seller shall **NOT** be held responsible for non-fulfillment of their respective obligations under this agreement due to the exigency of one or more of the force majeure events such as, but not limited to Act of God, war, flood, earthquake, Strike, lockouts, epidemics, riots, civil commotion, change in any law/regulation affecting this Agreements or any other reason beyond the control of the Seller.

12. TERMINATION

- 12.1 The Seller reserves the right to terminate this offer by providing 15-day notice without assigning any reason.

TATA STEEL LIMITED

West Bokaro Division Ghatotand Ramgarh 825 314 India
 Tel 91 6545 262356 (O) Fax 91 6545 262221 262172
 Regd. Office Bombay House 24 Homi Mody Street Mumbai 400 001
 Tel 91 22 02270267 Fax 91 22 26157724
 e-mail: steel@tatasteel.com Website: www.tatasteel.com



12.2 In the event of termination of the offer, Seller shall refund the balance amount after due reconciliation within 15 days from the date of receipt of demand letter from the Buyer.

13. DISPUTE RESOLUTION

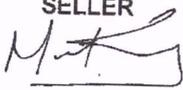
The jurisdiction in respect of this order and all disputes of differences in relation thereto shall be at Jamshedpur in Jharkhand.

ORDER ACCEPTANCE & VALIDITY

We are sending this Offer in duplicate and shall thank you to return us one copy of the same, duly signed, in token of your having accepted all the terms and conditions mentioned therein.

The validity period of this offer shall be from the date of issuance of sales agreement till **31.03.2025**.

SELLER


(Authorised signatory)

BUYER


(Authorised signatory)

TATA STEEL LIMITED

West Bokaro Division Ghatotand Ramgarh 825 314 India
Tel 91 6545 262356 (O) Fax 91 6545 262221 262172
Regd. Office Bombay House 24 Homi Mody Street Mumbai 400 001
Tel 91 22 66050282 Fax 91 22 66057724
VAT Registration Number E/TA/W/01/79/PLC/0421



SALES AGREEMENT FOR SUPPLY OF WEST BOKARO MIDDLING to TPCL

1. **REFERENCE:** Discussion with Mr. Rakesh Bhadoriya dated 05.11.2024

2. **SALES ORDER NUMBER:** IBMD/WBC/01/81/24 dated November 6, 2024.

3. **SELLER & BUYER:**
 - 3.1 SELLER: **Tata Steel Limited**, West Bokaro, Ghatotand -825314
 - 3.2 BUYER: **M/s. Tata Power Company Limited**, Jojobera, Jamshedpur (Unit #1, #2 & # 3)

4. **MATERIAL DESCRIPTION**
 - 4.1 **West Bokaro Middling** (Chainpur Railway Siding)

5. **QUALITY:**
 - 5.1 The material would be dispatched on 'as-is where-is' basis.
 - 5.2 The buyer should satisfy himself with the quality of material before actual dispatch takes place. No complaint regarding quality of material will be entertained afterwards.

6. **QUANTITY:** **Two lakh tonne (2,00,000 Tonnes +/- 10%)**. Partial shipment is allowed. (Subject to availability of material or allocation by Power management group)

7. **DELIVERY TERMS & WEIGHMENT**
 - 7.1 Free on Rake (FOR) from Chainpur railway siding of Tata Steel.
 - 7.2 Seller shall not be responsible for transit loss of material.
 - 7.3 Loading onto rake shall be Seller's responsibility. The actual weight recorded as per RR (Railway receipt) shall be firm and binding on the Parties. No dispute shall be entertained regarding the quantity subsequently. Railway freight shall be paid by the Buyer as per the actual freight charged in invoice w.r.t RR (Railway receipt).
 - 7.4 Indenting for railway rake shall be done by seller; however, EDRM sanction shall be obtained by the buyer.
 - 7.5 Although loading will be the Seller's responsibility, but to avoid any complaint regarding overloading, under loading and quality of material the Buyer himself or his authorized

TATA STEEL LIMITED

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 Regd. Office Bombay House 24 Homi Mody Street Mumbai 400 001
 Tel 91 22 66658282 Fax 91 22 66657724
 Corporate Identity Number L2100MH1907PLC000260



representative may supervise loading at the loading point. The authorized representative has to carry a prior authorization letter from Seller.

8. PRICE

8.1 Basic Price (inclusive of Royalty, DMF and NMET) will be **₹3950/tonne + Rs 100 Jharkhand Mineral Bearing Land cess + Re 1 Management + Rs 57 Transit fees for forest produce + 5% GST + ₹400/t (Compensation cess).**

8.2 Any other statutory charges /duty as applicable will be charged extra.

8.3 In addition to the price of coal, railway freight, taxes and duties, any other charge such as 'penal freight', i.e., additional freight charged by the railways for overloading of the wagons shall be borne by the Buyer and the same will be adjusted with the invoice.

9. PAYMENT TERMS

Seller shall raise invoice for every consignment for the cost of the material as mentioned in clause 8 supplied to TPCL and accordingly the monthly billed amount paid by end of subsequent month.

10. INVOICING

The Seller shall raise invoices for the material supplied to the Buyer along with railway freight on supplies made for every rake preferably unless otherwise agreed to by the parties.

11. FORCE MAJEURE

The Seller shall **NOT** be held responsible for non-fulfillment of their respective obligations under this agreement due to the exigency of one or more of the force majeure events such as, but not limited to Act of God, war, flood, earthquake, Strike, lockouts, epidemics, riots, civil commotion, change in any law/regulation affecting this Agreements or any other reason beyond the control of the Seller.

12. TERMINATION

12.1 The Seller reserves the right to terminate this offer by providing 15-day notice without assigning any reason.

12.2 In the event of termination of the offer, Seller shall refund the balance amount after due reconciliation within 15 days from the date of receipt of demand letter from the Buyer.

TATA STEEL LIMITED

West Bokaro Division Ghatotand Ramgarh 825 314 India
 Tel 91 6545 262356 (O) Fax 91 6545 262221 262172
 Regd. Office Bombay House 24 Homi Mody Street Mumbai 400 001
 Tel 91 22 66658282 Fax 91 22 66657724
 Corporate Identity Number L2100MH1907PLC000266

**13. DISPUTE RESOLUTION**

The jurisdiction in respect of this order and all disputes of differences in relation thereto shall be at Jamshedpur in Jharkhand.

14. ORDER ACCEPTANCE & VALIDITY

We are sending this Offer in duplicate and shall thank you to return us one copy of the same, duly signed, in token of your having accepted all the terms and conditions mentioned therein.

The validity period of this offer shall be from the date of issuance of sales agreement till **31.03.2025**.

SELLER

A handwritten signature in blue ink, appearing to be 'M. Singh', written over a horizontal line.

(Authorised signatory)

BUYER

A handwritten signature in blue ink, appearing to be 'D. Singh', written over a horizontal line.

(Authorised signatory)

TATA STEEL LIMITED

West Bokaro Division Ghatotand Ramgarh 825 314 India
Tel 91 6545 262356 (O) Fax 91 6545 262221 262172
Regd. Office Bombay House 24 Homi Mody Street Mumbai 400 001
Tel 91 22 66658282 Fax 91 22 66657724
Corporate Identity Number L2100MH1907PLC000260



SALES AGREEMENT FOR SUPPLY OF WEST BOKARO MIDDLING to TPCL

1. **REFERENCE:** Mail of Mr. Vikash Tiwari of M/s. TPCL dated 10.04.2024
2. **SALES ORDER NUMBER:** IBMD/WBC/01/38/24 dated April 10, 2024.
3. **SELLER & BUYER:**
 - 3.1 **SELLER:** Tata Steel Limited, West Bokaro, Ghatotand -825314
 - 3.2 **BUYER:** M/s. Tata Power Company Limited, Jojobera, Jamshedpur (Unit # 3)
4. **MATERIAL DESCRIPTION**
 - 4.1 **West Bokaro Middling** (Chainpur Railway Siding)
5. **QUALITY:**
 - 5.1 The material would be dispatched on 'as-is where-is' basis.
 - 5.2 The buyer should satisfy himself with the quality of material before actual dispatch takes place. No complaint regarding quality of material will be entertained afterwards.
6. **QUANTITY:** Forty-eight thousand (48,000 Tonnes +/- 10%). Partial shipment is allowed.
7. **DELIVERY TERMS & WEIGHMENT**
 - 7.1 Free on Rake (FOR) from Chainpur railway siding of Tata Steel.
 - 7.2 Seller shall not be responsible for transit loss of material.
 - 7.3 Loading onto rake shall be Seller's responsibility. The actual weight recorded as per RR (Railway receipt) shall be firm and binding on the Parties. No dispute shall be entertained regarding the quantity subsequently. Railway freight shall be paid by the Buyer in advance. If there is any delay in receipt of Railway freight in advance then any penalty, ground rent etc. charged by Railways shall be borne by Buyer
 - 7.4 Indenting for railway rake shall be done by seller; however, EDRM sanction shall be obtained by the buyer.
 - 7.5 Although loading will be the Seller's responsibility, but to avoid any complaint regarding overloading, under loading and quality of material the Buyer himself or his authorized representative may supervise loading at the loading point. The authorized representative has to carry a prior authorization letter from Seller.
8. **PRICE**
 - 8.1 Basic Price (inclusive of Royalty, DMF and NMET) will be ₹3167/tonne + Re 1 Management + Rs 57 Transit fees for forest produce + 5% GST + ₹400/t (Compensation cess).
 - 8.2 Any other statutory charges /duty as applicable will be charged extra.

TATA STEEL LIMITED

West Bokaro Division Ghatotand Ramgarh 825 314 India
 Tel 91 6545 262356 (O) Fax 91 6545 262221 262172
 Regd. Office Bombay House 24 Homi Mody Street Mumbai 400 001
 Tel 91 22 66658282 Fax 91 22 66657724
 Corporate Identity Number L2100MH1907PLC00269



8.3 In addition to the price of coal, railway freight, taxes and duties, any other charge such as 'penal freight', i.e., additional freight charged by the railways for overloading of the wagons shall be borne by the Buyer and the same will be adjusted with the advance deposited by the Buyer.

9. PAYMENT TERMS

Seller shall raise invoice for every consignment for the cost of the material as mentioned in clause 7 supplied to TPCL and accordingly the monthly billed amount will be adjusted with bill of electric power supplied to Tata Steel by TPCL, and the balance, if any, shall be payable to TPCL by Tata Steel. Both the parties shall settle and consolidate the statement of account under this clause only.

10. INVOICING

The Seller shall raise invoices for the material supplied to the Buyer along with railway freight on supplies made for every rake preferably unless otherwise agreed to by the parties.

11. FORCE MAJEURE

The Seller shall **NOT** be held responsible for non-fulfillment of their respective obligations under this agreement due to the exigency of one or more of the force majeure events such as, but not limited to Act of God, war, flood, earthquake, Strike, lockouts, epidemics, riots, civil commotion, change in any law/regulation affecting this Agreements or any other reason beyond the control of the Seller.

12. TERMINATION

- 12.1 The Seller reserves the right to terminate this offer by providing 15-day notice without assigning any reason.
- 12.2 In the event of termination of the offer, Seller shall refund the balance amount after due reconciliation within 15 days from the date of receipt of demand letter from the Buyer.

13. DISPUTE RESOLUTION

The jurisdiction in respect of this order and all disputes of differences in relation thereto shall be at Jamshedpur in Jharkhand.

14. ORDER ACCEPTANCE & VALIDITY

We are sending this Offer in duplicate and shall thank you to return us one copy of the same, duly signed, in token of your having accepted all the terms and conditions mentioned therein.

The validity period of this offer shall be from the date of issuance of sales agreement till **30.04.2024**.

TATA STEEL LIMITED

West Bokaro Division Ghatotand Ramgarh 825 314 India
 Tel 91 6545 262356 (O) Fax 91 6545 262221 262172
 Regd. Office Bombay House 24 Homi Mody Street Mumbai 400 001
 Tel 91 22 66658282 Fax 91 22 66657724
 Corporate Identity Number L2100MH1907PLC000260



SELLER

A handwritten signature in blue ink, appearing to read 'A. Pandey'.

(Authorised signatory)

BUYER

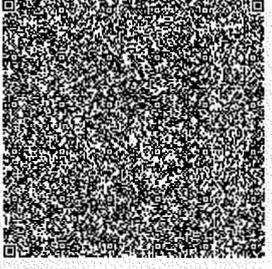
A handwritten signature in blue ink, appearing to read 'R. Singh'.

(Authorised signatory)

TATA STEEL LIMITED

West Bokaro Division Ghatotand Ramgarh 825 314 India
Tel 91 6545 262356 (O) Fax 91 6545 262221 262172
Regd. Office Bombay House 24 Homi Mody Street Mumbai 400 001
Tel 91 22 66658282 Fax 91 22 66657724
Corporate Identity Number L2100MH1907PLC000260

Original for Buyer/Duplicate for Transporter/Triplicate for Assessee

 P.O. - Jagriti Vihar, Burla District : Sambalpur - 768020 Odisha	Supplier Legal Name: Mahanadi Coalfields Limited Supplier Address : Jagriti Vihar, Burla Sambalpur 768020 Supplier City : Sambalpur Supplier State : Odisha Supplier Pincode : 768020 Supplier GSTIN : 21AABCM5188P1Z3 Supplier Email : Supplier Phone : 916632542461	Area Code : MO10 Area Description : Lakhampur Invoice Number : 9190041300 Invoice Date : Apr 30, 2024 Contract Reference: 3030000279 Contract type : FSA Linkage Sales Order : 1370001360 Sale Order Date : Apr 16, 2024 Delivery Number : 8003133923 Mode Of Dispatch : RAIL Destination Code :								
	IRN No: 6ad1076a234d5225ec19eea79aaf974b47db8b4390e64e8752a32502217b0f5f									
Receiver (Billed To) NAME THE TATA POWER COMPANY LTD JOJOBERA POWER PLANT Party Code : 2000000469 ADDRESS PO-RAHARGORA EAST SINGHBHUM EAST SINGHBHUM 831016 City : EAST SINGHBHUM Pincode : 831016 State code : Jharkhand Phone number: 9204853156 GSTIN : 20AAACT0054A2ZE E-Mail ID : jojocoalbills@tatapower.com		Consignee (Shipped to) Name THE TATA POWER COMPANY LTD JOJOBERA POWER PLANT Party Code : 2000000469 Address : PO-RAHARGORA EAST SINGHBHUM 831016 City : EAST SINGHBHUM Pincode : 831016 State code : Jharkhand Phone number : 9204853156 GSTIN : 20AAACT0054A2ZE E-Mail ID : jojocoalbills@tatapower.com		Details of Dispatch PI. No. PI. Date RR_NO : 162009896 RR_DATE : 20240430 Net Weight : 3,971.26 Dnote No. : 259.001 Rake serial No : Dnote DATE : 20240430 Siding : BOCM 7 Loading Date : Apr 30, 2024 Rake sq. no. : 00003192 Sanction No. : CMP/BSF/MCPL/C/ELC/JH/IB/						
Del No.	Plant	Material	Grade/Size	GCV	Material Description	HSN Code	UOM	STC Charges	Basic Rate	Billed Quantity
8003133923	Lakhampur Belpahar Int.	4100000000	G12/-100 MM	3701-4000	Bituminous Coal	27011200	TE	106.00	896.00	3971.26
PARTICULARS										
Pricing Description					Rate Per TON (INR)			Amount (INR)		
Basic Price								3558248.96		
Sizing Charges								87.00		
STC Charges								420953.56		
Evac Facility Charge								60.00		
Royalty Charges (14% of Basic Price)								498154.85		
NMET Charges(2% of Royalty)								9963.10		
DMF(30% of Royalty)								149446.46		
IGST								261027.11		
GST Comp Cess								400.00		
Gross Bill Value								1780.31		
Less UL Charges(5.120TE)								797.20		
Net Value								1779.28		
Remarks/Note/ Declaration								Total Amount: 7065991.60		
Reverse Charge Applicable: No										
Total Bill Value In words SEVENTY LAKH SIXTY FIVE THOUSAND NINE HUNDRED NINETY ONE RUPEES SIXTY PAISE										
Certified that the particulars given above are true and correct and the amount indicated represents the price actually charged and that there is no flow of additional consideration directly or indirectly from the buyer.										
LC Ref.No : NA										
LC Date :										
LC Amount : 0.00										
Advising Bank Name : NA										
This is digitally verified document hence manual/ physical signature is not required								Area : Lakhampur Telephone : Fax Number : E-Mail Address :		

Rake - 11816
04/05/2024

[Handwritten Signature]
14/05/24

[Handwritten Signature]

RR wt - 3971.26

RR wt - 3921.36

RR - 162009896

P.O - 45-1827

Doc 1-1200992, 18/05/2024

Monthly Plant Availability Factor (PAFM)						Doc No: Tata Power/TSL/LDC/Unit 2/2024-25/01
Monthly Plant Availability Factor (PAFM) - Unit 2 Jojobera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Unit		2	Month	Apr-24		
SI. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	<p>17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:</p> $PAFM = 100 \times \frac{\sum_{i=1}^N DC_i}{N \times IC \times (1 - Aux)\%}$ <p>Where, Aux: Normative Auxiliary Energy Consumption (%); DCi: Average Declared Capacity (in ex-bus MW), for the ith time block in such period; IC: Installed Capacity (in MW) of the generating station; N: Number of time blocks in the given period.</p>
1	1-Apr-24	108.000	120.00	10.00%	100.00%	
2	2-Apr-24	107.667	120.00	10.00%	99.69%	
3	3-Apr-24	107.689	120.00	10.00%	99.71%	
4	4-Apr-24	108.000	120.00	10.00%	100.00%	
5	5-Apr-24	108.000	120.00	10.00%	100.00%	
6	6-Apr-24	108.000	120.00	10.00%	100.00%	
7	7-Apr-24	107.629	120.00	10.00%	99.66%	
8	8-Apr-24	108.000	120.00	10.00%	100.00%	
9	9-Apr-24	108.000	120.00	10.00%	100.00%	
10	10-Apr-24	107.918	120.00	10.00%	99.92%	
11	11-Apr-24	107.911	120.00	10.00%	99.92%	
12	12-Apr-24	108.000	120.00	10.00%	100.00%	
13	13-Apr-24	108.000	120.00	10.00%	100.00%	
14	14-Apr-24	107.918	120.00	10.00%	99.92%	
15	15-Apr-24	108.000	120.00	10.00%	100.00%	
16	16-Apr-24	108.000	120.00	10.00%	100.00%	
17	17-Apr-24	108.000	120.00	10.00%	100.00%	
18	18-Apr-24	108.000	120.00	10.00%	100.00%	
19	19-Apr-24	108.000	120.00	10.00%	100.00%	
20	20-Apr-24	108.000	120.00	10.00%	100.00%	
21	21-Apr-24	108.000	120.00	10.00%	100.00%	
22	22-Apr-24	107.898	120.00	10.00%	99.91%	
23	23-Apr-24	108.000	120.00	10.00%	100.00%	
24	24-Apr-24	108.000	120.00	10.00%	100.00%	
25	25-Apr-24	107.942	120.00	10.00%	99.95%	
26	26-Apr-24	108.000	120.00	10.00%	100.00%	
27	27-Apr-24	108.000	120.00	10.00%	100.00%	
28	28-Apr-24	108.000	120.00	10.00%	100.00%	
29	29-Apr-24	107.918	120.00	10.00%	99.92%	
30	30-Apr-24	107.821	120.00	10.00%	99.83%	
Apr-24		107.944	120.00	10.00%	99.95%	
Monthly Availability of Unit 2 during April 2024					99.95%	
YTD April 2024 Availability of Unit 2					99.95%	

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Prepared by

1

Representative
 Tata Power, Jojobera

Basudev Hansdah
 Chief - O&M
 The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur-831016

17-10-24
Charan Das
 Representative
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)						
Unit		Month		May-24		
Sl. No.	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (MW)	Normative Aux. Power Consumption (%)	Availability (%)	Availability (%)
1	1-May-24	107.459	120.00	10.00%	99.50%	
2	2-May-24	106.994	120.00	10.00%	99.07%	
3	3-May-24	107.736	120.00	10.00%	99.76%	
4	4-May-24	108.000	120.00	10.00%	100.00%	
5	5-May-24	107.942	120.00	10.00%	99.95%	
6	6-May-24	107.514	120.00	10.00%	99.55%	
7	7-May-24	107.576	120.00	10.00%	99.61%	
8	8-May-24	107.550	120.00	10.00%	99.58%	
9	9-May-24	107.498	120.00	10.00%	99.54%	
10	10-May-24	108.000	120.00	10.00%	100.00%	
11	11-May-24	108.000	120.00	10.00%	100.00%	
12	12-May-24	108.000	120.00	10.00%	100.00%	
13	13-May-24	108.000	120.00	10.00%	100.00%	
14	14-May-24	107.323	120.00	10.00%	99.37%	
15	15-May-24	107.248	120.00	10.00%	99.30%	
16	16-May-24	106.611	120.00	10.00%	98.71%	
17	17-May-24	106.763	120.00	10.00%	98.85%	
18	18-May-24	106.694	120.00	10.00%	98.79%	
19	19-May-24	107.818	120.00	10.00%	99.83%	
20	20-May-24	107.511	120.00	10.00%	99.55%	
21	21-May-24	107.142	120.00	10.00%	99.21%	
22	22-May-24	106.274	120.00	10.00%	98.40%	
23	23-May-24	107.521	120.00	10.00%	99.56%	
24	24-May-24	107.190	120.00	10.00%	99.25%	
25	25-May-24	107.579	120.00	10.00%	99.61%	
26	26-May-24	107.772	120.00	10.00%	99.79%	
27	27-May-24	107.758	120.00	10.00%	99.78%	
28	28-May-24	106.732	120.00	10.00%	98.83%	
29	29-May-24	106.455	120.00	10.00%	98.57%	
30	30-May-24	106.284	120.00	10.00%	98.41%	
31	31-May-24	106.854	120.00	10.00%	98.94%	
	May-24	107.348	120.00	10.00%	99.40%	
YTD Availability of Unit 2 till April 2024					99.95%	
Monthly Availability of Unit 2 during May 2024					99.40%	
YTD May 2024 Availability of Unit 2					99.67%	

Doc No: Tata Power/TSL/LDC/Unit 2/2024-25/02
 Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum DC_i}{N \times IC \times (1 - Aux)} \%$$

Where:
 DC: Average Declared Capacity (in MW), for the i^{th} time block in such period;
 IC: Installed Capacity (in MW) of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.
 13.19 Revision of declared capability by generators and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedule/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Prepared by

OK

[Signature]
 Representative
 Tata Power, Jojobera

Basudev Hansdah
 Chief - O&M
 The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur-831016

[Signature]
 Representative
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)						
Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant		2		Month		
Sl. No.	Day	Total Declared Capacity during the Day (DCI) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Jun-24	Availability (%)
1	1-Jun-24	107.689	120.00	10.00%	10.00%	99.71%
2	2-Jun-24	106.970	120.00	10.00%	10.00%	99.05%
3	3-Jun-24	106.944	120.00	10.00%	10.00%	99.02%
4	4-Jun-24	107.465	120.00	10.00%	10.00%	99.50%
5	5-Jun-24	107.245	120.00	10.00%	10.00%	99.30%
6	6-Jun-24	106.866	120.00	10.00%	10.00%	98.95%
7	7-Jun-24	107.134	120.00	10.00%	10.00%	99.20%
8	8-Jun-24	106.922	120.00	10.00%	10.00%	99.00%
9	9-Jun-24	107.333	120.00	10.00%	10.00%	99.38%
10	10-Jun-24	106.320	120.00	10.00%	10.00%	98.44%
11	11-Jun-24	106.015	120.00	10.00%	10.00%	98.16%
12	12-Jun-24	107.032	120.00	10.00%	10.00%	99.10%
13	13-Jun-24	106.726	120.00	10.00%	10.00%	98.82%
14	14-Jun-24	106.682	120.00	10.00%	10.00%	98.78%
15	15-Jun-24	106.606	120.00	10.00%	10.00%	98.71%
16	16-Jun-24	106.838	120.00	10.00%	10.00%	98.92%
17	17-Jun-24	106.986	120.00	10.00%	10.00%	99.06%
18	18-Jun-24	106.764	120.00	10.00%	10.00%	98.86%
19	19-Jun-24	106.637	120.00	10.00%	10.00%	98.74%
20	20-Jun-24	106.525	120.00	10.00%	10.00%	98.63%
21	21-Jun-24	106.786	120.00	10.00%	10.00%	98.88%
22	22-Jun-24	106.949	120.00	10.00%	10.00%	99.03%
23	23-Jun-24	107.463	120.00	10.00%	10.00%	99.50%
24	24-Jun-24	107.321	120.00	10.00%	10.00%	99.37%
25	25-Jun-24	106.878	120.00	10.00%	10.00%	98.96%
26	26-Jun-24	106.557	120.00	10.00%	10.00%	98.66%
27	27-Jun-24	106.620	120.00	10.00%	10.00%	98.72%
28	28-Jun-24	106.570	120.00	10.00%	10.00%	98.68%
29	29-Jun-24	107.755	120.00	10.00%	10.00%	99.77%
30	30-Jun-24	108.000	120.00	10.00%	10.00%	100.00%
	Jun-24	106.953	120.00	10.00%	10.00%	99.03%
YTD Availability of Unit 2 till May 2024						
99.67%						
Monthly Availability of Unit 2 during June 2024						
YTD June 2024 Availability of Unit 2						
99.03%						
99.46%						

Signature: *Basudev Hansdah*
 Representative
 Chief - O&M
 The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur-831016

Signature: *Charan Das*
 Representative
 LDC, Tata Steel
 Manager LDC

Prepared by: *[Signature]*

Doc No: Tata Power/TSL/LDC/Unit 2/2024-25/03
 Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = \frac{100 \sum_{i=1}^N DC_i / N \times IC \times (1 - Aux)}{IC}$$
 Where,
 Aux: Normative Auxiliary Energy Consumption (%);
 DC: Average Declared Capacity (in ex-ante MW), for the ⁱth time block in such period;
 IC: Installed Capacity (in MW) of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.
 13.19 Revision of declared capability by generators and re-emption by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised scheduled capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

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Doc No: Tata Power/TSL/LDC/Unit 2/2024-25/04

Reference: Regulation 17.4 of JSERC Generation Tariff

Unit		Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant			Month	Jul-24
Sl. No.	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	Availability (%)
1	1-Jul-24	108.000	120.00	10.00%	100.00%	100.00%
2	2-Jul-24	107.910	120.00	10.00%	99.92%	99.92%
3	3-Jul-24	106.820	120.00	10.00%	98.91%	98.91%
4	4-Jul-24	106.960	120.00	10.00%	99.04%	99.04%
5	5-Jul-24	106.840	120.00	10.00%	98.93%	98.93%
6	6-Jul-24	106.690	120.00	10.00%	98.79%	98.79%
7	7-Jul-24	107.770	120.00	10.00%	99.79%	99.79%
8	8-Jul-24	107.360	120.00	10.00%	99.41%	99.41%
9	9-Jul-24	106.510	120.00	10.00%	98.62%	98.62%
10	10-Jul-24	106.820	120.00	10.00%	98.91%	98.91%
11	11-Jul-24	106.820	120.00	10.00%	98.91%	98.91%
12	12-Jul-24	106.720	120.00	10.00%	98.81%	98.81%
13	13-Jul-24	106.870	120.00	10.00%	98.95%	98.95%
14	14-Jul-24	107.740	120.00	10.00%	99.76%	99.76%
15	15-Jul-24	107.750	120.00	10.00%	99.77%	99.77%
16	16-Jul-24	107.690	120.00	10.00%	99.71%	99.71%
17	17-Jul-24	107.710	120.00	10.00%	99.73%	99.73%
18	18-Jul-24	107.630	120.00	10.00%	99.66%	99.66%
19	19-Jul-24	106.880	120.00	10.00%	98.96%	98.96%
20	20-Jul-24	107.540	120.00	10.00%	99.57%	99.57%
21	21-Jul-24	107.920	120.00	10.00%	99.93%	99.93%
22	22-Jul-24	107.740	120.00	10.00%	99.76%	99.76%
23	23-Jul-24	107.330	120.00	10.00%	99.38%	99.38%
24	24-Jul-24	107.700	120.00	10.00%	99.72%	99.72%
25	25-Jul-24	107.720	120.00	10.00%	99.74%	99.74%
26	26-Jul-24	107.430	120.00	10.00%	99.47%	99.47%
27	27-Jul-24	107.670	120.00	10.00%	99.69%	99.69%
28	28-Jul-24	108.000	120.00	10.00%	100.00%	100.00%
29	29-Jul-24	107.770	120.00	10.00%	99.79%	99.79%
30	30-Jul-24	107.770	120.00	10.00%	99.79%	99.79%
31	31-Jul-24	107.770	120.00	10.00%	99.79%	99.79%
Jul-24		107.415	120.00	10.00%	99.46%	99.46%

YTD Availability of Unit 2 till June 2024

Monthly Availability of Unit 2 during July 2024

YTD July 2024 Availability of Unit 2

Basudev Hansdah
 Representative
 Tata Power, Jojobera
 Jojobera Power Plant, Jamshedpur-831016

Charan Das
 Representative
 LDC, Tata Steel
 Manager LDC

Reference: Regulation 13.18-13.19 of JSERC Grid Code

Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/demand for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised scheduled/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Prepared by

Doc No: Tata Power/TSL/LDC/Unit 2/2024-25/05

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = \frac{100 \times \sum_{i=1}^N DC_i}{N \times IC \times (1 - Aux)_i}$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC: Average Declared Capacity (in ex-Aux MW) for the ⁱth time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedule/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)						
Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant						
Unit	2	Month	Aug-24	Aug-24	Aug-24	Aug-24
Sl. No.	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	Availability (%)
1	1-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
2	2-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
3	3-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
4	4-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
5	5-Aug-24	107.490	120.00	10.00%	99.53%	99.53%
6	6-Aug-24	107.010	120.00	10.00%	99.08%	99.08%
7	7-Aug-24	107.500	120.00	10.00%	99.54%	99.54%
8	8-Aug-24	107.710	120.00	10.00%	99.73%	99.73%
9	9-Aug-24	107.950	120.00	10.00%	99.95%	99.95%
10	10-Aug-24	107.530	120.00	10.00%	99.56%	99.56%
11	11-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
12	12-Aug-24	107.600	120.00	10.00%	99.63%	99.63%
13	13-Aug-24	107.240	120.00	10.00%	99.30%	99.30%
14	14-Aug-24	107.470	120.00	10.00%	99.51%	99.51%
15	15-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
16	16-Aug-24	107.000	120.00	10.00%	99.07%	99.07%
17	17-Aug-24	107.760	120.00	10.00%	99.78%	99.78%
18	18-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
19	19-Aug-24	107.850	120.00	10.00%	99.86%	99.86%
20	20-Aug-24	107.410	120.00	10.00%	99.45%	99.45%
21	21-Aug-24	107.440	120.00	10.00%	99.48%	99.48%
22	22-Aug-24	107.800	120.00	10.00%	99.81%	99.81%
23	23-Aug-24	107.500	120.00	10.00%	99.54%	99.54%
24	24-Aug-24	107.660	120.00	10.00%	99.69%	99.69%
25	25-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
26	26-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
27	27-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
28	28-Aug-24	107.680	120.00	10.00%	99.70%	99.70%
29	29-Aug-24	107.330	120.00	10.00%	99.38%	99.38%
30	30-Aug-24	107.680	120.00	10.00%	99.70%	99.70%
31	31-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
Aug-24		107.697	120.00	10.00%	99.72%	99.72%

YTD Availability of Unit 2 till July 2024
 Monthly Availability of Unit 2 during August 2024
 YTD August 2024 Availability of Unit 2

Basudev Hansdah
 Representative
 Tata Power, Jojobera
 LDC, Tata Steel

Charan Das
 Representative
 LDC, Tata Steel
 Manager LDC

Basudev Hansdah
 Representative
 Tata Power, Jojobera
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Jojobera Power Plant, Jamshedpur-831016

Prepared by

Monthly Plant Availability Factor (PAFM)

Unit		2		Month		Sep-24	
SI. No.	Day	Total Declared Capacity during the Day (DCI) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)		
1	1-Sep-24	108.000	120.00	10.00%	100.00%		
2	2-Sep-24	107.750	120.00	10.00%	99.77%		
3	3-Sep-24	107.700	120.00	10.00%	99.72%		
4	4-Sep-24	108.000	120.00	10.00%	100.00%		
5	5-Sep-24	107.690	120.00	10.00%	99.71%		
6	6-Sep-24	107.950	120.00	10.00%	99.95%		
7	7-Sep-24	107.970	120.00	10.00%	99.97%		
8	8-Sep-24	107.730	120.00	10.00%	99.75%		
9	9-Sep-24	107.740	120.00	10.00%	99.76%		
10	10-Sep-24	107.670	120.00	10.00%	99.69%		
11	11-Sep-24	107.890	120.00	10.00%	99.90%		
12	12-Sep-24	108.000	120.00	10.00%	100.00%		
13	13-Sep-24	107.930	120.00	10.00%	99.94%		
14	14-Sep-24	107.500	120.00	10.00%	99.54%		
15	15-Sep-24	107.900	120.00	10.00%	99.91%		
16	16-Sep-24	108.000	120.00	10.00%	100.00%		
17	17-Sep-24	108.000	120.00	10.00%	100.00%		
18	18-Sep-24	107.870	120.00	10.00%	99.88%		
19	19-Sep-24	107.950	120.00	10.00%	99.95%		
20	20-Sep-24	86.700	120.00	10.00%	80.28%		
21	21-Sep-24	106.210	120.00	10.00%	98.34%		
22	22-Sep-24	107.970	120.00	10.00%	99.97%		
23	23-Sep-24	107.390	120.00	10.00%	99.44%		
24	24-Sep-24	106.370	120.00	10.00%	98.49%		
25	25-Sep-24	106.490	120.00	10.00%	98.60%		
26	26-Sep-24	107.270	120.00	10.00%	99.32%		
27	27-Sep-24	107.670	120.00	10.00%	99.69%		
28	28-Sep-24	107.740	120.00	10.00%	99.76%		
29	29-Sep-24	107.260	120.00	10.00%	99.31%		
30	30-Sep-24	107.520	120.00	10.00%	99.56%		
	Sep-24	106.928	120.00	10.00%	99.01%		

Doc No: Tata Power/TSL/LDC/Unit 2/2024-25/06
Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum_{i=1}^N DC_i}{N \times IC \times (1 - Aux)} \%$$

Where,
 Aux: Normative Auxiliary Energy Consumption (%);
 DC: Average Declared Capacity (in ex-bus MW), for the ⁱth time block in such period;
 IC: Installed Capacity (in MW) of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/demand for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generators and re-qualification by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the full time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Sandeep
 Representative
 LDC, Tata Steel

Basudev Hansdah
 Chief - O&M
 The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur-831016

Basudev
 Representative
 Tata Power, Jojobera

Prepared by
Basudev

Monthly Plant Availability Factor (PAFM)					
Monthly Plant Availability Factor (PAFM) - Unit 3			Monthly Plant Availability Factor (PAFM) - Unit 5		
Unit	Day	Total Declared Capacity during the Day (DCI) (MW)	Installed Capacity (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Apr-24	108.000	120.00	10.00%	100.00%
2	2-Apr-24	107.227	120.00	10.00%	99.28%
3	3-Apr-24	107.550	120.00	10.00%	99.58%
4	4-Apr-24	108.000	120.00	10.00%	100.00%
5	5-Apr-24	108.000	120.00	10.00%	100.00%
6	6-Apr-24	107.571	120.00	10.00%	99.60%
7	7-Apr-24	108.000	120.00	10.00%	100.00%
8	8-Apr-24	108.000	120.00	10.00%	100.00%
9	9-Apr-24	108.000	120.00	10.00%	100.00%
10	10-Apr-24	107.732	120.00	10.00%	99.75%
11	11-Apr-24	107.907	120.00	10.00%	99.91%
12	12-Apr-24	107.791	120.00	10.00%	99.81%
13	13-Apr-24	108.000	120.00	10.00%	100.00%
14	14-Apr-24	108.000	120.00	10.00%	100.00%
15	15-Apr-24	107.903	120.00	10.00%	99.91%
16	16-Apr-24	106.641	120.00	10.00%	98.74%
17	17-Apr-24	107.386	120.00	10.00%	99.43%
18	18-Apr-24	107.663	120.00	10.00%	99.69%
19	19-Apr-24	107.537	120.00	10.00%	99.57%
20	20-Apr-24	107.585	120.00	10.00%	99.62%
21	21-Apr-24	107.375	120.00	10.00%	99.42%
22	22-Apr-24	107.690	120.00	10.00%	99.71%
23	23-Apr-24	107.628	120.00	10.00%	99.66%
24	24-Apr-24	106.505	120.00	10.00%	98.62%
25	25-Apr-24	106.856	120.00	10.00%	98.94%
26	26-Apr-24	106.878	120.00	10.00%	98.96%
27	27-Apr-24	107.035	120.00	10.00%	99.11%
28	28-Apr-24	107.809	120.00	10.00%	99.82%
29	29-Apr-24	107.438	120.00	10.00%	99.48%
30	30-Apr-24	107.364	120.00	10.00%	99.41%
Apr-24		107.569	120.00	10.00%	99.60%
Monthly Availability of Unit 3 during April 2024					99.60%
YTD April 2024 Availability of Unit 3					99.60%

Sasudev Hansdah
 Representative
 Tata Power, Jobbera
 Chief - O & M
 Tata Power Company Limited
 Jobbera Power Plant, Jamshedpur-831016

Chandan Das
 Representative
 LDC, Tata Steel

OK

Prepared by

Doc No: Tata Power/TS/LDC/Unit 3/2024-25/01
 Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum_{i=1}^N DC_i}{N \times IC \times (1 - Aux)} \%$$

 Where,
 Aux: Normative Auxiliary Energy Consumption (%);
 DC_i: Average Declared Capacity (in ex-bus MW), for the ith time block in such period;
 IC: Installed Capacity (in MW) of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/demand for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generators and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised scheduled/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Monthly Plant Availability Factor (PAFM)						
Unit		3		Month		May-24
Sl. No.	Day	Total Declared Capacity during the Day (DCI) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	Availability (%)
1	1-May-24	108.000	120.00	10.00%	100.00%	100.00%
2	2-May-24	107.975	120.00	10.00%	99.98%	99.98%
3	3-May-24	108.000	120.00	10.00%	100.00%	100.00%
4	4-May-24	108.000	120.00	10.00%	100.00%	100.00%
5	5-May-24	107.980	120.00	10.00%	99.98%	99.98%
6	6-May-24	107.294	120.00	10.00%	99.35%	99.35%
7	7-May-24	107.369	120.00	10.00%	99.42%	99.42%
8	8-May-24	107.858	120.00	10.00%	99.87%	99.87%
9	9-May-24	107.628	120.00	10.00%	99.66%	99.66%
10	10-May-24	108.000	120.00	10.00%	100.00%	100.00%
11	11-May-24	108.000	120.00	10.00%	100.00%	100.00%
12	12-May-24	108.000	120.00	10.00%	100.00%	100.00%
13	13-May-24	108.000	120.00	10.00%	100.00%	100.00%
14	14-May-24	107.804	120.00	10.00%	99.82%	99.82%
15	15-May-24	107.882	120.00	10.00%	99.89%	99.89%
16	16-May-24	107.786	120.00	10.00%	99.80%	99.80%
17	17-May-24	107.703	120.00	10.00%	99.73%	99.73%
18	18-May-24	107.744	120.00	10.00%	99.76%	99.76%
19	19-May-24	107.937	120.00	10.00%	99.94%	99.94%
20	20-May-24	107.927	120.00	10.00%	99.93%	99.93%
21	21-May-24	107.827	120.00	10.00%	99.84%	99.84%
22	22-May-24	107.634	120.00	10.00%	99.66%	99.66%
23	23-May-24	107.858	120.00	10.00%	99.87%	99.87%
24	24-May-24	107.932	120.00	10.00%	99.94%	99.94%
25	25-May-24	108.000	120.00	10.00%	100.00%	100.00%
26	26-May-24	108.000	120.00	10.00%	100.00%	100.00%
27	27-May-24	108.000	120.00	10.00%	100.00%	100.00%
28	28-May-24	108.000	120.00	10.00%	100.00%	100.00%
29	29-May-24	105.908	120.00	10.00%	98.06%	98.06%
30	30-May-24	106.396	120.00	10.00%	98.51%	98.51%
31	31-May-24	108.000	120.00	10.00%	100.00%	100.00%
May-24		107.756	120.00	10.00%	99.77%	99.77%
YTD Availability of Unit 3 till April 2024						
99.60%						
Monthly Availability of Unit 3 during May 2024						
99.77%						
YTD May 2024 Availability of Unit 3						
99.69%						

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum DC_i}{N \times IC \times (1 - Aux)} \times \frac{1}{100}$$

Where:
 DC: Normative Auxiliary Energy Consumption (%);
 DC: Average Declared Capacity (in ex-Aux MW), for the ⁱth time block in such period;
 IC: Installed Capacity (in MW) of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/demand for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generators and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

17-10-24
 Charan Das
 Manager LDC

Basudev Hansdah
 Chief - O&M
 The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur-831016

Prepared by

Monthly Plant Availability Factor (PAFM)						
Monthly Plant Availability Factor (PAFM) - Unit 3, Jobbera Power Plant			3		Jun-24	
Unit	Day	Total Declared Capacity during the Day (DCI) (MW)	Installed Capacity (MW)	Normative Aux. Power Consumption (%)	Availability (%)	
1	1-Jun-24	108.000	120.00	10.00%	100.00%	
2	2-Jun-24	103.537	120.00	10.00%	95.87%	
3	3-Jun-24	104.775	120.00	10.00%	97.01%	
4	4-Jun-24	102.524	120.00	10.00%	94.93%	
5	5-Jun-24	108.000	120.00	10.00%	100.00%	
6	6-Jun-24	103.137	120.00	10.00%	95.50%	
7	7-Jun-24	103.903	120.00	10.00%	96.21%	
8	8-Jun-24	105.717	120.00	10.00%	97.89%	
9	9-Jun-24	103.317	120.00	10.00%	95.66%	
10	10-Jun-24	99.360	120.00	10.00%	92.00%	
11	11-Jun-24	99.844	120.00	10.00%	92.45%	
12	12-Jun-24	97.224	120.00	10.00%	90.02%	
13	13-Jun-24	99.747	120.00	10.00%	92.36%	
14	14-Jun-24	100.661	120.00	10.00%	93.20%	
15	15-Jun-24	98.746	120.00	10.00%	91.43%	
16	16-Jun-24	104.899	120.00	10.00%	97.13%	
17	17-Jun-24	100.633	120.00	10.00%	93.18%	
18	18-Jun-24	100.303	120.00	10.00%	92.87%	
19	19-Jun-24	99.802	120.00	10.00%	92.41%	
20	20-Jun-24	104.287	120.00	10.00%	96.56%	
21	21-Jun-24	104.192	120.00	10.00%	96.47%	
22	22-Jun-24	104.444	120.00	10.00%	96.71%	
23	23-Jun-24	107.652	120.00	10.00%	99.68%	
24	24-Jun-24	107.213	120.00	10.00%	99.27%	
25	25-Jun-24	106.535	120.00	10.00%	98.64%	
26	26-Jun-24	106.376	120.00	10.00%	98.50%	
27	27-Jun-24	106.630	120.00	10.00%	98.73%	
28	28-Jun-24	107.004	120.00	10.00%	99.08%	
29	29-Jun-24	107.867	120.00	10.00%	99.88%	
30	30-Jun-24	108.000	120.00	10.00%	100.00%	
Jun-24		103.811	120.00	10.00%	96.12%	
YTD Availability of Unit 3 till May 2024					99.69%	
Monthly Availability of Unit 3 during June 2024					96.12%	
YTD June 2024 Availability of Unit 3					98.51%	

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum_{i=1}^N DC_i}{N \times IC} \times (1 - Aux)^{\%}$$

Where,
 DC: Normative Auxiliary Energy Consumption (%);
 DC: Average Declared Capacity (in ex-bus MW), for the ⁱth time block in such period;
 IC: Installed Capacity (in MW) of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/demand for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generators and re-qualification by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised scheduled capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Pls correct as per menthioned

17-10-24
 Charan Das
 Manager LDC

Basudev Hansdah
 Chief - O&M
 The Tata Power Company Limited
 Jobbera Power Plant, Jamshedpur-831016

Prepared by

Doc No: Tata Power/TSL/LDC/Unit 3/2024-25/04						
Reference: Regulation 17.4 of JSERC Generation Tariff						
Regulations 2020						
17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:						
$PAFM = 100 \times \frac{\sum_{i=1}^N DC_i}{N \times IC \times (1 - Aux)\%}$						
Where,						
Aux: Normative Auxiliary Energy Consumption (%).						
DC: Average Declared Capacity (in ex-bus MW), for the i^{th} time block, in such period.						
IC: Installed Capacity (in MW) of the generating station.						
N: Number of time blocks in the given period.						
Reference: Regulation 13.18-13.19 of JSERC Grid Code						
Regulations 2008						
13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.						
13.19 Revision of declared capability by generation(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedule/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.						
Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant						
Unit			Month		Jul-24	
Sl. No.	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	Availability (%)
1	1-Jul-24	108.000	120.00	10.00%	100.00%	100.00%
2	2-Jul-24	107.960	120.00	10.00%	100.00%	99.96%
3	3-Jul-24	107.680	120.00	10.00%	100.00%	99.70%
4	4-Jul-24	107.570	120.00	10.00%	100.00%	99.60%
5	5-Jul-24	107.890	120.00	10.00%	100.00%	99.90%
6	6-Jul-24	107.690	120.00	10.00%	100.00%	99.71%
7	7-Jul-24	107.910	120.00	10.00%	100.00%	99.92%
8	8-Jul-24	108.000	120.00	10.00%	100.00%	100.00%
9	9-Jul-24	107.830	120.00	10.00%	100.00%	99.84%
10	10-Jul-24	107.840	120.00	10.00%	100.00%	99.85%
11	11-Jul-24	108.000	120.00	10.00%	100.00%	100.00%
12	12-Jul-24	107.930	120.00	10.00%	100.00%	99.94%
13	13-Jul-24	108.000	120.00	10.00%	100.00%	100.00%
14	14-Jul-24	108.000	120.00	10.00%	100.00%	100.00%
15	15-Jul-24	107.810	120.00	10.00%	100.00%	99.82%
16	16-Jul-24	107.930	120.00	10.00%	100.00%	99.94%
17	17-Jul-24	108.000	120.00	10.00%	100.00%	100.00%
18	18-Jul-24	107.950	120.00	10.00%	100.00%	99.95%
19	19-Jul-24	108.000	120.00	10.00%	100.00%	100.00%
20	20-Jul-24	108.000	120.00	10.00%	100.00%	100.00%
21	21-Jul-24	108.000	120.00	10.00%	100.00%	100.00%
22	22-Jul-24	107.920	120.00	10.00%	100.00%	99.93%
23	23-Jul-24	108.000	120.00	10.00%	100.00%	100.00%
24	24-Jul-24	107.770	120.00	10.00%	100.00%	99.79%
25	25-Jul-24	107.180	120.00	10.00%	100.00%	99.24%
26	26-Jul-24	107.430	120.00	10.00%	100.00%	99.47%
27	27-Jul-24	107.690	120.00	10.00%	100.00%	99.71%
28	28-Jul-24	107.950	120.00	10.00%	100.00%	99.95%
29	29-Jul-24	107.840	120.00	10.00%	100.00%	99.85%
30	30-Jul-24	107.770	120.00	10.00%	100.00%	99.79%
31	31-Jul-24	108.000	120.00	10.00%	100.00%	100.00%
Jul-24		107.856	120.00	10.00%	100.00%	99.87%
YTD Availability of Unit 3 till June 2024						98.51%
Monthly Availability of Unit 3 during July 2024						99.87%
YTD July 2024 Availability of Unit 3						98.86%

OK

Signature: Charan Das
 Representative
 LDC, Tata Steel
 (Manager Uce)

Signature: Basudev Hansdah
 Representative
 Tata Power, Jojobera
 Chief - O&M
 The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur-831016

Prepared
 10/07/24

Monthly Plant Availability Factor (PAFM)						
Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant			Aug-24			
Sl. No.	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (MW)	Normative Aux. Power Consumption (%)	Availability (%)	Aug-24
1	1-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
2	2-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
3	3-Aug-24	107.900	120.00	10.00%	99.91%	99.91%
4	4-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
5	5-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
6	6-Aug-24	107.980	120.00	10.00%	99.98%	99.98%
7	7-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
8	8-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
9	9-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
10	10-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
11	11-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
12	12-Aug-24	107.890	120.00	10.00%	99.90%	99.90%
13	13-Aug-24	107.950	120.00	10.00%	99.95%	99.95%
14	14-Aug-24	107.700	120.00	10.00%	99.72%	99.72%
15	15-Aug-24	107.880	120.00	10.00%	99.89%	99.89%
16	16-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
17	17-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
18	18-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
19	19-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
20	20-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
21	21-Aug-24	107.930	120.00	10.00%	99.94%	99.94%
22	22-Aug-24	107.850	120.00	10.00%	99.86%	99.86%
23	23-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
24	24-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
25	25-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
26	26-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
27	27-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
28	28-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
29	29-Aug-24	107.960	120.00	10.00%	99.96%	99.96%
30	30-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
31	31-Aug-24	108.000	120.00	10.00%	100.00%	100.00%
Aug-24		107.969	120.00	10.00%	99.97%	99.97%
YTD Availability of Unit 3 till July 2024						98.86%
Monthly Availability of Unit 3 during August 2024						99.97%
YTD August 2024 Availability of Unit 3						99.08%

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum DC_i}{N \times IC \times (1 + Aux)} \%$$

Where:
 Aux: Normative Auxiliary Energy Consumption (%);
 DC: Average Declared Capacity (in ex-bus MW), for the th time block in such period;
 IC: Installed Capacity (in MW) of the generating station;
 N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled demand of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/demand for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and resubmission by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedule/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Signature
 Representative
 LDC, Tata Steel
 Chaman Das
 Manager LDC

Signature
 Representative
 Tata Power, Jojobera
 Chief - O&M
 Sasudev Hansdah

The Tata Power Company Limited
 Jojobera Power Plant, Jamshedpur-831016

Prepared by
Signature

**BEFORE THE HON'BLE JHARKHAND STATE ELECTRICITY
REGULATORY COMMISSION AT RANCHI**

CASE (TARIFF) NO. 12 OF 2024

IN THE MATTER OF:

The Tata Power Company Limited

.....Petitioner

-Versus-

Tata Steel Limited

...Respondent

ADDITIONAL AFFIDAVIT

I, Dilip Kumar, S/o Late Shri Tek Narayan Prasad, aged 40 years, R/o. Flat No. 119, Sector 56, Noida, 201301, presently at New Delhi, do hereby solemnly affirm and state as under:

1. That I am working as Group Head- Regulatory ER in The Tata Power Company Limited, the Petitioner in the above matter, and I am duly authorized and competent to swear and depose the present affidavit on behalf of Petitioner.
2. That the Petition for Approval of the True-up of FY 2023-24 along with Annual Performance Review of FY 2024-25 was filed vide affidavit dated 29.11.2024 before this Hon'ble Jharkhand Electricity Regulatory Commission (JSERC/Commission).



3. That the Hon'ble Commission has sought additional information in the aforesaid petition vide its Order dated 17th December 2024. The Petitioner herewith submits the Additional information/clarification along with annexures as sought in the aforesaid Order.
4. That I have read the accompanying additional information and annexures being submitted on behalf of the Petitioner and have understood the contents thereof and that the contents therein are true and correct to the best of my knowledge and information derived from the official record of the Petitioner.
5. That the facts stated above are true and correct to the best of my knowledge and information derived from the official record of the Petitioner, no part of the same is false and nothing material has been concealed therefrom.



DEPONENT



VERIFICIATION

I, the above-named Deponent, do hereby verify that the contents of this affidavit are true and correct to the best of my knowledge and information derived from the official record of the Petitioner, no part of it is false and nothing material has been concealed therefrom.

PRESENTLY AT DELHI

28 DEC 2024

Verified at New Delhi on this _____ day of December 2024.

Place: New Delhi

Date:



DEPONENT

IDENTIFIED



28 DEC 2024

ATTESTED

MINATI RANI MOHAPATRA
NOTARY DELHI-R-16971
GOVERNMENT OF INDIA
SUPREME COURT OF INDIA
COMPOUND NEW DELHI
REGISTER Pg./Sl. No. _____

ATTESTED

MINATI RANI MOHAPATRA
ADVOCATE (NOTARY)
Mob. No.: 8130128457

